

References

- [AA00] Ambrosio Toval Alvarez and Jose Luis Fernandez Aleman. Formally modeling UML and its evolution: A holistic approach. In Scott F. Smith and Carolyn L. Talcott, editors, *Formal Methods for Open Object-Based Distributed Systems IV - Proc. FMOODS'2000, September, 2000, Stanford, California, USA*. Kluwer Academic Publishers, 2000.
- [AA01] Jose Luis Fernandez Aleman and Ambrosio Toval Alvarez. Seamless formalizing the UML semantics through metamodels. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 14, pages 224–248. Idea Publishing Group, 2001.
- [AAB⁺03] Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors. *The 4th AOSD Modeling With UML Workshop*, 2003.
- [Aag98] Jan Øyvind Aagedal. Towards an ODP-compliant object definition language with QoS-support. In T. Plagemann and V. Goebel, editors, *Proceedings 5th International Workshop, IDMS'98, Oslo, Norway, September*, volume 1483 of *LNCS*, pages 183–194. Springer, 1998.
- [AAK⁺04] Habtamu Abie, Demissie B. Areo, Thor Kristoffersen, Shahrzade Mazaher, and Thierry Raguin. Integrating a security requirement language with UML. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 350–364. Springer, 2004.
- [AAM99] Marwan Abi-Antoun and Nenad Medvidovic. Enabling the refinement of a software architecture into a design. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 17–31. Springer, 1999.
- [AB01] David H. Akehurst and B. Bordbar. On querying UML data models with OCL. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 91–103. Springer, 2001.
- [ÁCES01] José M. Álvarez, Tony Clark, Andy Evans, and Paul Sammut. An action semantics for MML. In Martin Gogolla and Cris Kobryn, editors, *UML*

2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings, volume 2185 of *LNCS*, pages 2–18. Springer, 2001.

- [ACR00] Egidio Astesiano, Maura Cerioli, and Gianna Reggio. Plugging data constructs into paradigm-specific languages: Towards an application to UML. In T. Rus, editor, *Proceedings Algebraic Methodology and Software Technology, 8th International Conference, AMAST 2000, Iowa City, Iowa, USA, May 2000*, volume 1816 of *LNCS*, pages 273–292. Springer, 2000.
- [ACRS02] Luis Anido, Manuel Caeiro, Judith Rodríguez, and Juan Santos. Applying MDA concepts to develop a domain CORBA facility for e-learning. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 321–335. Springer, 2002.
- [ADSJ01] Bente Anda, Hege Dreiem, Dag I. K. Sjøberg, and Magne Jørgensen. Estimating software development effort based on use cases - experiences from industry. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, page 1. Springer, 2001.
- [AdSSL⁺01] L. Apvrille, P. de Saqui-Sannes, C. Lohr, P. Sénac, and J.-P. Courtiat. A new UML profile for real-time system formal design and validation. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 287–301. Springer, 2001.
- [AEQ98] Jim Arlow, Wolfgang Emmerich, and John Quinn. Literate modelling - capturing business knowledge with the UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 165–171, 1998.
- [AEQ99] Jim Arlow, Wolfgang Emmerich, and John Quinn. Literate modelling - capturing business knowledge with the UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 189–199. Springer, 1999.

- [ÁES01] José M. Álvarez, Andy Evans, and Paul Sammut. Mapping between levels in the metamodel architecture. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 34–46. Springer, 2001.
- [AF99] Luis Filipe Andrade and Jose Luis Fiadeiro. Interconnecting objects via contracts. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 566–583. Springer, 1999.
- [AHK⁺04] Tamarah Arons, Jozef Hooman, Hillel Kugler, Amir Pnueli, and Mark van der Zwaag. Deductive verification of UML models in TLPVS. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 335–349. Springer, 2004.
- [AJ02] Jan Øyvind Aagedal and Earl F. Ecklund Jr. Modelling QoS: Towards a UML profile. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 275–289. Springer, 2002.
- [AK00] Colin Atkinson and Thomas Kühne. Strict profiles: Why and how. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 309–322. Springer, 2000.
- [AK01] Colin Atkinson and Thomas Kühne. The essence of multilevel meta-modeling. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 19–33. Springer, 2001.
- [AK02a] David H. Akehurst and Stuart Kent. A relational approach to defining transformations in a metamodel. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 243–258. Springer, 2002.

- [AK02b] Colin Atkinson and Thomas Kühne. The role of meta-modeling in MDA. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [Ake04] David Akehurst. Relations in OCL. In Octavian Patrascou, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 16–29. University of Kent, 2004.
- [AKHS02] Colin Atkinson, Thomas Kühne, and Brian Henderson-Sellers. Stereotypical encounters of the third kind. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 100–114. Springer, 2002.
- [AL98] Thomas Allweyer and Peter Loos. Process orientation in UML through integration of event-driven process chains. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 183–193, 1998.
- [Alh98] Sinan Si Alhir. *UML in a Nutshell*. O'Reilly, 1998.
- [All98] Paul Allen. Putting UML to work: Strategies and techniques. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 33–43, 1998.
- [All99] Paul Allen. A practical framework for applying UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 419–433. Springer, 1999.
- [AM99a] Jan Øyvind Aagedal and Zoran Milosevic. ODP enterprise language: UML perspective. In Colin Atkinson, editor, *Proc. of The 3rd International Conference on Enterprise Distributed Object Computing*. IEEE, 1999.
- [AM99b] João Araújo and Ana Moreira. Specifying persistence, class views and excluding classes for UML. In TBA, editor, *Proceedings of ICSSEA'99*. TBA, 1999.
- [AM00] Daniel Amyot and Gunter Mussbacher. On the extension of UML with use case maps concepts. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 16–31. Springer, 2000.

- [Amb97] Scott W. Ambler. *Building Object Applications: Patterns, Architecture, Design, Construction, and Testing*. Prentice Hall, 1997.
- [Amb01] Scott W. Ambler. Agile modeling: A brief overview. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 7–11. German Informatics Society, 2001.
- [AMBR02] João Araújo, Ana Moreira, Isabel Brito, and Awais Rashid. Aspect-oriented requirements with UML. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [AMDK98] Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors. *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Ang98] Erzsébet Angster. My experiences with UML in teaching OO techniques. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [AO00] Aynur Abdurazik and Jeff Offutt. Using UML collaboration diagrams for static checking and test generation. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 383–395. Springer, 2000.
- [AP98] Florian Arnold and Gerd Podehl. Best of both worlds - a mapping from EXPRESS-G to UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 45–54, 1998.
- [AP99] Florian Arnold and Gerd Podehl. Best of both worlds - a mapping from EXPRESS-G to UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 49–63. Springer, 1999.
- [AP03] Marcus Alanen and Ivan Porres. Differences and union of models. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 2–17. Springer, 2003.

- [APFR02] Charles André, Marie-Agnès Peraldi-Frati, and Jean-Paul Rigault. Integrating the synchronous paradigm into UML: Application to control-dominated systems. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 163–178. Springer, 2002.
- [Ara98] João Araújo. Formalizing sequence diagrams. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Art98] John M. Artim. One approach to the use of UML in user interface design and OO development. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Ast98] Egidio Astesiano. UML as heterogeneous multiview notation strategies for a formal foundation. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Atk97] Colin Atkinson. Adapting the fusion process to support the UML. *Object Magazine, Sigs Publications*, November 1997.
- [Atk98] Colin Atkinson. Supporting and applying the UML conceptual framework. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 1–11, 1998.
- [Atk99a] Colin Atkinson, editor. *Proc. of The 3rd International Conference on Enterprise Distributed Object Computing*. IEEE, 1999.
- [Atk99b] Colin Atkinson. Supporting and applying the UML conceptual framework. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 21–36. Springer, 1999.
- [ATK01] Toshiaki Aoki, Takaaki Tateishi, and Takuya Katayama. An axiomatic formalization of UML models. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 13–28. German Informatics Society, 2001.
- [AW03] Khaled Alghathbar and Duminda Wijeskera. Consistent and complete access control policies in use cases. In Perdita Stevens, Jon Whittle,

and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 373–387. Springer, 2003.

- [BA99a] K. Bender and J. Albert. UML-basierte beschreibungssprache zur hybriden maschinenmodellierung. In E. Schnieder, editor, *Proceedings of The 6th Symposium on Development and Operation of Complex Automation Systems*, 1999.
- [BA99b] Christian Bunse and Colin Atkinson. The normal object form: Bridging the gap from models to code. In Robert France and Bernhard Rümpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 675–690. Springer, 1999.
- [Baa00] Thomas Baar. Experiences with the UML/OCL-approach in practice and strategies to overcome deficiencies. In Net.ObjectDays-Forum, editor, *Proc. Net.ObjectDays2000, Erfurt, Germany*, pages 192–201, October 2000.
- [Bac98] Kenneth Baclawski. UML formalization: A position paper. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Bal03] Hermann Balsters. Modelling database views with derived classes in the UML/OCL-framework. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 295–309. Springer, 2003.
- [BAMR03] Jean-Michel Bruel, João Araújo, Ana Moreira, and Albert Royer. Using aspects to develop built-in tests for components. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [Bau01] Niclas Bauer. Deployment of SDL systems using UML. In *SDL 2001: Meeting UML. 10th International SDL Forum Copenhagen, Denmark, June 27-29, 2001, Proceedings*, volume 2078 of *LNCS*, pages 107–122. Springer, 2001.
- [BBL⁺03] Ralph-Johan Back, Dag Björklund, Johan Lilius, Luka Milovanov, and Ivan Porres. A workbench to experiment on new model. In Perdita

- Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 96–100. Springer, 2003.
- [BBM02] Francesca Basanieri, Antonia Bertolino, and Eda Marchetti. The cow_suite approach to planning and deriving test suites in UML projects. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 383–397. Springer, 2002.
- [BC98a] Yves Bernard and Agusti Canals. Use of “cisi UML development process” on GEDYS project. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML’98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 157–164, 1998.
- [BC98b] Maurits C. Blok and Jacob L. Cybulski. Reusing UML specifications in a constrained application domain. In *Proceedings 5th Asia Pacific Software Engineering Conference (APSEC ’98), December 2-4, 1998, Taipei, Taiwan*, pages 196–202. IEEE Computer Society, 1998.
- [BC01] Francis Bordeleau and Jean-Pierre Corriveau. On the importance of inter-scenario relationships in hierarchical state machine design. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 156–170. Springer, 2001.
- [BCL03] Lionel C. Briand, Jim Cui, and Yvan Labiche. Towards automated support for deriving test data from UML statecharts. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 249–264. Springer, 2003.
- [BCMR98] Manfred Broy, Derek Coleman, Tom S. E. Maibaum, and Bernhard Rumpe, editors. *Proceedings PSMT’98 Workshop on Precise Semantics for Modeling Techniques*. Technische Universität München, TUM-I9803, 1998.
- [BCR00] Egon Börger, Alessandra Cavarra, and Elvinia Riccobene. An ASM semantics for UML activity diagrams. In T. Rus, editor, *Proceedings Algebraic Methodology and Software Technology, 8th International Conference, AMAST 2000, Iowa City, Iowa, USA, May 2000*, volume 1816 of *LNCS*, pages 293–308. Springer, 2000.

- [BD00a] Christie Bolton and Jim Davies. Using relational and behavioural semantics in the verification of object models. In Scott F. Smith and Carolyn L. Talcott, editors, *Formal Methods for Open Object-Based Distributed Systems IV - Proc. FMOODS'2000, September, 2000, Stanford, California, USA*. Kluwer Academic Publishers, 2000.
- [BD00b] Eugen Brenner and Ivo Derado. UML extensions for ASAM-GDI device capability description. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*. Springer, 2000.
- [BD02] Ricardo M. Bastos and Duncan Dubugras A. Dubugras. Extending UML activity diagram for workflow modeling in production systems. In Ralph H. Sprague, Jr., editor, *Proc. 35th Annual Hawaii International Conference on System Sciences (HICSS-35)*. IEEE Computer Society, 2002.
- [BDL⁺00] Alistair Barros, Keith Duddy, Michael Lawley, Zoran Milosevic, Kerry Raymond, and Andrew Wood. Processes, roles, and events: UML concepts for enterprise architecture. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 62–77. Springer, 2000.
- [BEE00] R. Bardohl, H. Ehrig, and C. Ermel. Generic description, behavior and animation of visual modeling languages. In Peter A. Ng, editor, *Proc. Fifth International Conference on Integrated Design and Process Technology (IDPT'2000), June 2000, Dallas, Texas*, 2000.
- [Bel99] Mariano Belaunde. A pragmatic approach for building a flexible UML model repository. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 188–203. Springer, 1999.
- [Ber98a] Birol Berkem. Formalizing a ‘bridge’ from the UML’s activity diagram toward use cases. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA’98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Ber98b] Birol Berkem. Traceability management from ‘business processes’ to ‘use cases’. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications)*, pages 15–24. Technische Universität München, TUM-I9813, 1998.

- [Ber00] E. Bertino, editor. *Proceedings of ECOOP 2000*, volume 1850 of *LNCS*. Springer, 2000.
- [Beu02] Antoine Beugnard. Is MDA achievable without a proper definition of late-binding? In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [BF02] Jean Bezivin and Robert France, editors. *Workshop in Software Model Engineering*, 2002.
- [BFJ⁺03] Jean Bézivin, Nicolas Farcet, Jean-Marc Jézéquel, Benoît Langlois, and Damien Pollet. Reflective model driven engineering. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 175–189. Springer, 2003.
- [BFS02] Julian C. Bradfield, Juliana Küster Filipe, and Perdita Stevens. Enriching OCL using observational mu-calculus. In Ralf-Detlef Kutsche and Herbert Weber, editors, *Fundamental Approaches to Software Engineering, 5th International Conference, FASE 2002, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2002, Grenoble, France, April 8-12, 2002, Proceedings*, volume 2306 of *LNCS*, pages 203–217. Springer, 2002.
- [BFW04] Andrew J. Bennett, A. J. Field, and C. Murray Woodside. Experimental evaluation of the UML profile for schedulability, performance and time. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 143–157. Springer, 2004.
- [BG02] João Paulo Barros and Luís Gomes. Activities as behaviour aspects. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [BG03] João Paulo Barros and Luis Gomes. Towards the support for cross-cutting concerns in activity diagrams: a graphical approach. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [BG04a] Fabian Büttner and Martin Gogolla. On generalization and overriding in UML 2.0. In Octavian Patrascoiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 1–15. University of Kent, 2004.

- [BG04b] Fabian Büttner and Martin Gogolla. Realizing UML metamodel transformations with AGG. In Reiko Heckel, editor, *Proc. ETAPS Workshop Graph Transformation and Visual Modeling Techniques (GT-VMT'2004)*, ENTCS. Elsevier, 2004.
- [BGG04] Hanna Bauerdrick, Martin Gogolla, and Fabian Gutsche. Detecting OCL traps in the UML 2.0 superstructure an experience report. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of LNCS, pages 188–196. Springer, 2004.
- [BGH⁺97] Ruth Breu, Radu Grosu, Franz Huber, Bernhard Rumpe, and Wolfgang Schwerin. Towards a precise semantics for object-oriented modeling techniques. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 53–59. Technische Universität München, TUM-I9725, 1997.
- [BGH⁺98a] Ruth Breu, Radu Grosu, Christoph Hofmann, Franz Huber, Ingolf Krüger, Bernhard Rumpe, Monika Schmidt, and Wolfgang Schwerin. Exemplary and complete object interaction descriptions. *Computer Standards & Interfaces*, 19(7):335–345, November 1998.
- [BGH⁺98b] Ruth Breu, Radu Grosu, Franz Huber, Bernhard Rumpe, and Wolfgang Schwerin. Systems, views and models of UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 93–108. Physica-Verlag, Heidelberg, 1998.
- [BGJ99] Stefan Berner, Martin Glinz, and Stefan Joos. A classification of stereotypes for object-oriented modeling languages. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of LNCS, pages 249–264. Springer, 1999.
- [BGLD99] Xavier Blanc, Marie-Pierre Gervais, and Raymonde Le-Delliou. Using the UML language to express the ODP enterprise concepts. In Colin Atkinson, editor, *Proc. of The 3rd International Conference on Enterprise Distributed Object Computing*. IEEE, 1999.
- [BGP01] Luciano Baresi, Franca Garzotto, and Paolo Paolini. Extending UML for modeling web applications. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.

- [BH00] Thomas Baar and Reiner Hähnle. An integrated metamodel for OCL types. In Robert France, Bernhard Rumpe, Jean-Michel Bruel, Ana Moreira, John Whittle, and Ileana Ober, editors, *Proc. OOPSLA 2000, Workshop Refactoring the UML: In Search of the Core, Minneapolis, Minnesota, USA, 2000.*, 2000.
- [BHH⁺97] Ruth Breu, Ursula Hinkel, Christoph Hofmann, Cornel Klein, Barbara Paech, Bernhard Rumpe, and Veronika Thurner. Towards a formalization of the Unified Modeling Language. In Mehmet Aksit and Satoshi Matsuoka, editors, *ECOOP'97 – Object-Oriented Programming, 11th European Conference*, volume 1241 of *LNCS*, pages 344–366. Springer, 1997.
- [BHS99] Franck Barbier and Brian Henderson-Sellers. Object metamodeling of the whole-part relationship. In Christine Mingins, editor, *Proceedings of TOOLS Pacific 1999*. IEEE Computer Society, 1999.
- [BHSOG01] Franck Barbier, Brian Henderson-Sellers, Andreas L. Opdahl, and Martin Gogolla. The whole-part relationship in the Unified Modeling Language: A new approach. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 12, pages 185–209. Idea Publishing Group, 2001.
- [BHSS00] Thomas Baar, Reiner Hähnle, Theo Sattler, and Peter H. Schmitt. Entwurfsmustergesteuerte Erzeugung von OCL-Constraints. In K. Mehlhorn and G. Snelting, editors, *Informatik 2000, 30. Jahrestagung der Gesellschaft für Informatik*, pages 389–404, September 2000.
- [BHTW99] Michel Bidoit, Rolf Hennicker, Francoise Tort, and Martin Wirsing. Correct realization of interface constraints with OCL. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 399–415. Springer, 1999.
- [BJMF02] Marko Boger, Mario Jeckle, Stefan Mueller, and Jens Fransson. Diagram interchange for UML. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 398–411. Springer, 2002.
- [BK02] Georg Beier and Markus Kern. Aspects in UML models from a code generation perspective. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [BKK⁺01] Kenneth Baclawski, Mieczyslaw K. Kokar, Paul A. Kogut, Lewis Hart, Jeffrey Smith, William S. Holmes, Jerzy Letkowski, and Michael L.

- Aronson. Extending UML to support ontology engineering for the semantic web. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 342–360. Springer, 2001.
- [BKM99] Hubert Baumeister, Nora Koch, and Luis Mandel. Towards a UML extension for hypermedia design. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 614–629. Springer, 1999.
- [BKPPT00] Paolo Bottoni, Manuel Koch, Francesco Parisi-Presicce, and Gabriele Taentzer. Consistency checking and visualization of OCL constraints. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 294–308. Springer, 2000.
- [BKPPT01] Paolo Bottoni, Manuel Koch, Francesco Parisi-Presicce, and Gabriele Taentzer. A visualization of OCL using collaborations. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 257–271. Springer, 2001.
- [BL97] Jean Bezivin and Richard Lemesle. Ontology-based layered semantics for precise OA&D modeling. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 31–37. Technische Universität München, TUM-I9725, 1997.
- [BL01] Lionel Briand and Yvan Labiche. A UML-based approach to system testing. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 194–208. Springer, 2001.
- [BLM97] Juan Bicarregui, Kevin Lano, and Tom Maibaum. Formalising object-oriented models in the object calculus. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 45–51. Technische Universität München, TUM-I9725, 1997.
- [BLMF00] Jean-Michel Bruel, Johan Lilius, Ana Moreira, and Robert B. France. Defining precise semantics for UML. In J. Malenfant, S. Moisan, and A. Moreira, editors, *Proceedings ECOOP 2000 Workshops, Panels, and*

Posters, Sophia Antipolis and Cannes, France, June 2000, volume 1964 of *LNCS*, pages 113–122. Springer, 2000.

- [BLP01] Dag Bjoerklund, Johan Lilius, and Ivan Porres. Towards efficient code synthesis from statecharts. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 29–41. German Informatics Society, 2001.
- [BLR98] E. Bourdeau, P. Lugagne, and P. Roques. Hierarchical context diagrams with UML - an experience report on satellite ground system analysis. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 215–224, 1998.
- [BLR99] Eric Bourdeau, Philippe Lugagne, and Pascal Roques. Hierarchical context diagrams with UML: An experience report on satellite ground system analysis. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 227–239. Springer, 1999.
- [BM98] Jean Bézivin and Pierre-Alain Muller, editors. *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, 1998.
- [BM99] Jean Bézivin and Pierre-Alain Muller, editors. *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*. Springer, 1999.
- [BM02] Paolo Bottoni and Mark Minas, editors. *GT-VMT'2002 Graph Transformation and Visual Modeling Techniques, Barcelona, Spain, 11-12 October 2002*, volume 72(3) of *ENTCS*. Elsevier, 2002.
- [BMM99] A. Bondavalli, I. Majzik, and I. Mura. Automatic dependability analysis for supporting design decisions in UML. In Raymond Paul and Catherine Meadows, editors, *Proc. of the Fourth IEEE International Symposium on High Assurance Systems Engineering*. IEEE, 1999.
- [BMP⁺02] Jean-Paul Bodeveix, Thierry Millan, Christian Percebois, Christophe Le Camus, Pierre Bazex, and Louis Feraud. Extending OCL for verifying UML models consistency. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 75–90.

Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.

- [Bos99] Prasanta Bose. Automated translation of UML models of architectures for verification and simulation using SPIN. In Robert J. Hall and Ernst Tyugu, editors, *Proc. of the 14th IEEE International Conference on Automated Software Engineering, ASE'99*. IEEE, 1999.
- [BP97] Michael Blaha and William Premerlani. *Object-Oriented Modeling and Design for Database Applications*. Prentice Hall, 1997.
- [BP98] Luciano Baresi and Mauro Pezzè. On formalizing UML with high-level Petri Nets. Technical Report 09.98, Dipartimento di Elettronica e Informazione – Politecnico di Milano, 1998.
- [BPP99] Ralph-Johan Back, Luigia Petre, and Ivan Porres Paltor. Analysing UML use cases as contracts. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 518–533. Springer, 1999.
- [BRJ98] Grady Booch, Jim Rumbaugh, and Ivar Jacobson. *The Unified Modeling Language User Guide*. Addison-Wesley, 1998.
- [Bro01] David William Brown. *Introduction to Object-Oriented Analysis: Objects and UML in Plain English*. Wiley, 2001.
- [BRS97] Klaus Bergner, Andreas Rausch, and Marc Sihling. Using UML for modeling a distributed Java application. Institutsbericht TUM-I9735, Technische Universität München, Institut für Informatik, July 1997.
- [BRS98] Klaus Bergner, Andreas Rausch, and Marc Sihling. A critical look upon UML 1.0. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 79–92. Physica-Verlag, Heidelberg, 1998.
- [Bru98] Jean-Michel Bruel. Transforming UML models to formal specifications. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [BS01] Marko Boger and Thorsten Sturm. Tool-support for model-driven software engineering. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 307–318. German Informatics Society, 2001.

- [BSMM04] Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors. *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*. Springer, 2004.
- [Bur97] Rainer Burkhardt. *UML: Unified Modeling Language*. Addison-Wesley, 1997.
- [BV02] Purandar Bhaduri and R. Venkatesh. Formal consistency of models in multi-view modelling. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 149–159. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [BW02] Achim D. Brucker and Burkhart Wolff. HOL-OCL: Experiences, consequences and design choices. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 196–211. Springer, 2002.
- [BZL04] Stefan Bisanz, Paul Ziemann, and Arne Lindow. Integrated specification, validation and verification with hybridUML and OCL applied to the BART case study. In E. Schnieder and G. Tarnai, editors, *FORMS/FORMAT 2004. Formal Methods for Automation and Safety in Railway and Automotive Systems, Proceedings of Symposium FORMS/FORMAT 2004, Braunschweig, Germany, 2nd and 3rd December 2004*, 2004.
- [Can99] Agusti Canals. Use of UML/CS SI development process. In TBA, editor, *Proceedings of ICSSEA'99*. TBA, 1999.
- [Cas98a] Xavier Castellani. Evaluation of models defined with charts of concepts: Application to the UML model. In *Proc. CAiSE'98/IFIP 8.1 Third International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (EMMSAD'98)*, 1998.
- [Cas98b] Xavier Castellani. An overview of the version 1.1 of the UML defined with charts of concepts. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 13–24, 1998.
- [CB02] Eric Cariou and Antoine Beugnard. The specification of UML collaborations as interaction components. In Jean-Marc Jézéquel, Heinrich

- Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 352–367. Springer, 2002.
- [CCMV04] Olivier Caron, Bernard Carré, Alexis Muller, and Gilles Vanwormhoudt. An OCL formulation of UML2 template binding. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 27–40. Springer, 2004.
- [CD00] John Cheesman and John Daniels. *UML Components: A Simple Process for Specifying Component-Based Software*. Addison-Wesley, 2000.
- [CDD03] Kendra Cooper, Lirong Dai, and Yi Deng. Modeling performance as an aspect: a UML based approach. In Faisal Akkawi, Omar Al-dawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [CDFG02] Gennaro Costagliola, Vincenzo Deufemia, Filomena Ferruci, and Carmine Gravino. Exploiting visual languages generation and UML meta modeling to construct meta-CASE workbenches. In Paolo Bottoni and Mark Minas, editors, *GT-VMT'2002 Graph Transformation and Visual Modeling Techniques, Barcelona, Spain, 11-12 October 2002*, volume 72(3) of *ENTCS*. Elsevier, 2002.
- [CEK01] Tony Clark, Andy Evans, and Stuart Kent. The metamodelling language calculus: Foundation semantics for UML. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 17–31. Springer, 2001.
- [CEK02a] Tony Clark, Andy Evans, and Stuart Kent. A meta-model facility for a family of UML constraint languages. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 4–20. Springer, 2002.
- [CEK02b] Tony Clark, Andy Evans, and Stuart Kent. A metamodel for package extension with renaming. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 305–320. Springer, 2002.

- [Chi01] Dan Chiorean. Using OCL beyond specifications. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 57–68. German Informatics Society, 2001.
- [CHK99] M. Dal Cin, G. Huszerl, and K. Kosmidis. Evaluation of safety-critical systems based on guarded statecharts. In Raymond Paul and Catherine Meadows, editors, *Proc. of the Fourth IEEE International Symposium on High Assurance Systems Engineering*. IEEE, 1999.
- [CK01] María Victoria Cengarle and Alexander Knapp. A formal semantics for OCL 1.4. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 118–133. Springer, 2001.
- [CKM⁺99a] Steve Cook, Anneke Kleppe, Richard Mitchell, Bernhard Rumpe, Jos Warmer, and Alan Cameron Wills. The Amsterdam manifesto on OCL. Technical Report TUM-I9925, Technische Universität München, December 1999.
- [CKM⁺99b] Steve Cook, Anneke Kleppe, Richard Mitchell, Bernhard Rumpe, Jos Warmer, and Alan Cameron Wills. Defining UML family members using prefaces. In Christine Mingins, editor, *Proceedings of TOOLS Pacific 1999*. IEEE Computer Society, 1999.
- [CKM⁺99c] Steve Cook, Anneke Kleppe, Richard Mitchell, Jos Warmer, and Alan Cameron Wills. Defining the context of OCL expressions. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 372–383. Springer, 1999.
- [CKM⁺02] Steve Cook, Anneke Kleppe, Richard Mitchell, Bernhard Rumpe, Jos Warmer, and Alan Cameron Wills. The amsterdam manifesto on OCL. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 115–149. Springer, 2002.
- [CKSS01] Valentin Crettaz, Mohamed Mancona Kandé, Shane Sendall, and Alfred Strohmeier. Integrating the ConcernBASE approach with SADL. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 166–181. Springer, 2001.

- [CL00] Sam Chung and Yun-Sik Lee. Reverse software engineering with UML for web site maintenance. In *10th International Database Symposium on Mobile, XML and Post-relational Databases, Hong Kong, June, 2000*, 2000.
- [Cla99] Tony Clark. Type checking UML static diagrams. In Robert France and Bernhard Rümpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 503–517. Springer, 1999.
- [Cla00] Siobhán Clarke. Composing design models: An extension to the UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 338–352. Springer, 2000.
- [CLL99] Peter Coad, Eric Lefebvre, and Jeff De Luca. *Java Modeling in Color with UML*. Prentice Hall, 1999.
- [CM03] Alexander Christoph and Matthias M. Müller. GREAT: UML transformation tool for porting middleware applications. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 18–30. Springer, 2003.
- [CMSD04] Eric Cariou, Raphaël Marvie, Lionel Seinturier, and Laurence Duchien. OCL for the specification of model transformation contracts. In Octavian Patrascioiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 69–83. University of Kent, 2004.
- [Coa03] Peter Coad. Agile processes: Developing your own “secret recipes”. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, page 1. Springer, 2003.
- [Coo00] Steve Cook. The UML family: Profiles, prefaces and packages. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 255–264. Springer, 2000.
- [Cor99] J-M. Cornily. Specifying distributed object applications using the reference model for open distributed processing and the unified modeling language. In Colin Atkinson, editor, *Proc. of The 3rd International Conference on Enterprise Distributed Object Computing*. IEEE, 1999.

- [COT03] Jordi Cabot, Antoni Olivé, and Ernest Teniente. Representing temporal information in UML. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 44–59. Springer, 2003.
- [CPR01] Christine Choppy, Pascal Poizat, and Jean-Claude Royer. Specification of mixed systems in KORRIGAN with the support of a UML-inspired graphical notation. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 124–139. Springer, 2001.
- [CR99] Philippe Collet and Roger Rousseau. Towards efficient support for executing the Object Constraint Language. In *Tools 30 – USA’99. Proceedings*. IEEE Computer Society, 1999.
- [CS00] Michelle Chabrol and David Saramia. Object oriented methodology based on UML for urban traffic system modeling. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 425–439. Springer, 2000.
- [CS02] Guy Caplat and Jean Louis Sourrouille. Model mapping in MDA. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [CSF00] Rainer Conrad, Dieter Scheffner, and Johann Christoph Freitag. XML conceptual modeling using UML. In Alberto H. F. Laender, Stephen W. Liddle, and Veda C. Storey, editors, *Conceptual Modeling - ER 2000, 19th International Conference on Conceptual Modeling, Salt Lake City, Utah, USA, October 9-12, 2000, Proceedings*, volume 1920 of *LNCS*, pages 558–571. Springer, 2000.
- [CT01] Stefan Conrad and Klaus Turowski. Temporal OCL: Meeting specification demands for business components. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 10, pages 151–166. Idea Publishing Group, 2001.
- [CT04] Jordi Cabot and Ernest Teniente. Determining the structural events that may violate an integrity constraint. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 320–334. Springer, 2004.

- [CTBG99] L. Carroll, B. Tondu, C. Baron, and J. C. Geffroy. UML framework for the design of real-time robot controllers. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings Euro-Par'99 - Parallel Processing, 5th International Euro-Par Conference, Toulouse, France, August/September 1999*, volume 1685 of *LNCS*, pages 511–514. Springer, 1999.
- [CW02] Tony Clark and Jos Warmer, editors. *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, volume 2263 of *LNCS*. Springer, 2002.
- [CW04] Alexandre Correa and Cláudia Werner. Applying refactoringtechniques to UML/OCL. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 173–187. Springer, 2004.
- [CWD00] Miro Casanova, Thomas Wallet, and Maja D'Hondt. Ensuring quality of geographic data with UML and OCL. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 225–239. Springer, 2000.
- [DA02] John Derrick and David H. Akehurst. A framework for UML consistency. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 30–45. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [Dam01] Werner Damm. Understanding UML - pains and rewards. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, page 240. Springer, 2001.
- [Dav98] Hugh Davis. Bridging UML and STEP/EXPRESS with CDIF - Achieving Interoperability of Object and Product Data Models. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 75–86, 1998.
- [DBGP04] Amador Durán, Beatriz Bernárdez, Marcela Genero, and Mario Piattoni. Empirically driven use case metamodel evolution. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML*

2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings, volume 3273 of *LNCS*, pages 1–11. Springer, 2004.

- [dBMJ01] Lydie du Bousquet, Hugues Martin, and Jean-Marc Jézéquel. Conformance testing from UML specifications experience report. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 43–55. German Informatics Society, 2001.
- [DdB00] Sophie Dupuy and Lydie du Bousquet. A multi-formalism approach for the validation of UML models. *Formal Aspects of Computing*, 12(4):228–230, 2000.
- [DDT99] Serge Demeyer, Stephane Ducasse, and Sander Tichelaar. Why unified is not universal? UML shortcomings for coping with round-trip engineering. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999. Proceedings*, volume 1723 of *LNCS*, pages 630–644. Springer, 1999.
- [Des98] Philippe Desfray. Automation of design pattern: Concepts, tools and practices. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 107–114, 1998.
- [Des99] Philippe Desfray. Automation of design pattern: Concepts, tools and practices. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 120–131. Springer, 1999.
- [DGH02] K. Diethers, Ursula Goltz, and Michaela Huhn. Model checking UML statecharts with time. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 35–52. Technische Universität München, Institut für Informatik, 2002.
- [DGK99] Nathan Dykman, Martin Griss, and Robert Kessler. Nine suggestions for improving UML extensibility. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999. Proceedings*, volume 1723 of *LNCS*, pages 236–248. Springer, 1999.

- [DH99] Birgit Demuth and Heinrich Hussmann. Using UML/OCL constraints for relational database design. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 598–613. Springer, 1999.
- [DH01] Zhijiang Dong and Xudong He. Integrating UML statecharts and collaboration diagrams using hierarchical predicate transition nets. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 99–112. German Informatics Society, 2001.
- [DHL01] Birgit Demuth, Heinrich Hussmann, and Sten Loecher. OCL as a specification language for business rules in database applications. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 104–117. Springer, 2001.
- [DHTT00a] Christian Heide Damm, Klaus Marius Hansen, Michael Thomsen, and Michael Tyrsted. Creative object-oriented modelling: Support for intuition, flexibility, and collaboration in CASE tools. In E. Bertino, editor, *Proceedings of ECOOP 2000*, volume 1850 of *LNCS*, pages 27–43. Springer, 2000.
- [DHTT00b] Christian Heide Damm, Klaus Marius Hansen, Michael Thomsen, and Michael Tyrsted. Supporting several levels of restriction in the UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 396–409. Springer, 2000.
- [Die02] Andreas Dietzsch. Adapting the UML to business modelling's needs - experiences in situational method engineering. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 73–83. Springer, 2002.
- [DKPZ01] Shiri Davidson, Mila Keren, Sara Porat, and Gabi Zodik. Designing procedural 4GL applications through UML modeling. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the*

UML 2001 October 1st, 2001 in Toronto, Canada, volume P-7 of *LNI*, pages 69–85. German Informatics Society, 2001.

- [DKR00] Dino Distefano, Joost-Pieter Katoen, and Arend Rensink. On a temporal logic for object-based systems. In Scott F. Smith and Carolyn L. Talcott, editors, *Formal Methods for Open Object-Based Distributed Systems IV - Proc. FMOODS'2000, September, 2000, Stanford, California, USA*. Kluwer Academic Publishers, 2000.
- [DLCP00] Sophie Dupuy, Yves Ledru, and Monique Chabre-Peccoud. An overview of RoZ: A tool for integrating UML and Z specifications. In Benkt Wangler and Lars Bergman, editors, *Advanced Information Systems Engineering, 12th International Conference CAiSE 2000, Stockholm, Sweden, June 5-9, 2000, Proceedings.*, volume 1789 of *LNCS*, pages 417–430. Springer, 2000.
- [dMES02] Miguel A. de Miguel, Daniel Exertier, and Serge Salicki. Specification of model transformations based on meta templates. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [dMJS02] Miguel de Miguel, Jean Jourdan, and Serge Salicki. Practical experiences in the application of MDA. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 128–139. Springer, 2002.
- [DMY02] Alexandre David, M. Oliver Möller, and Wang Yi. Formal verification of UML statecharts with real-time extensions. In Ralf-Detlef Kutsche and Herbert Weber, editors, *Fundamental Approaches to Software Engineering, 5th International Conference, FASE 2002, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2002, Grenoble, France, April 8-12, 2002, Proceedings*, volume 2306 of *LNCS*, pages 218–232. Springer, 2002.
- [DN03] Peter Dolog and Wolfgang Nejdl. Using UML and XMI for generating adaptive navigation sequences in web-based systems. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 205–219. Springer, 2003.
- [DN04] Peter Dolog and Wolfgang Nejdl. Using UML-based feature models and UML collaboration diagrams to information modelling for web-based applications. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling*

- Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 425–439. Springer, 2004.
- [Dou98] Bruce Powel Douglass. *Real-time UML: Developing Efficient Objects for Embedded Systems*. Addison-Wesley, 1998.
 - [DP99] S. Dossick and D. N. Port. Extending UML across the complete software engineering cycle. In TBA, editor, *Proceedings of ICSSEA'99*. TBA, 1999.
 - [DPJ01] Remco. M. Dijkman, Luís Pires, and Stef M. M. Joosten. Calculating with concepts: a technique for the development of business process support. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 87–98. German Informatics Society, 2001.
 - [D'S97] Desmond D'Souza. Types and classes: A language-independent view. *Journal of Object Oriented Programming*, 10(1):10–13, March 1997.
 - [dS01a] Paulo Pinheiro da Silva. A proposal for a LOTOS-based semantics for UML. Technical Report UMCS-01-06-1, Department of Computer Science, University of Manchester, Manchester, UK, June 2001.
 - [DS01b] Frank Devos and Eric Steegmans. The message paradigm in object-oriented analysis. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 182–193. Springer, 2001.
 - [DSB99] Desmond D'Souza, Aamond Sane, and Alan Birchenough. First-class extensibility for UML-profiles, stereotypes, patterns. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 265–277. Springer, 1999.
 - [DSe02] Bran D'Selicevos. Does your software creak as it runs? In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, page 162. Springer, 2002.

- [dSP00a] Paulo Pinheiro da Silva and Norman W. Paton. UMLi: The unified modeling language for interactive applications. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 117–132. Springer, 2000.
- [dSP00b] Paulo Pinheiro da Silva and Norman W. Paton. User interface modelling with UML. In H. Kangassalo, H. Jaakkola, and E. Kawaguchi, editors, *Proc. 10th European-Japanese Conference on Information Modelling and Knowledge Bases, Saariselkä (Finland), 2000*. IOS Press, Amsterdam, 2000.
- [dSP01] Paulo Pinheiro da Silva and Norman W. Paton. A UML-based design environment for interactive applications. In E. Kapetanios and H. Hinterberger, editors, *Proceedings of 2nd International Workshop on User Interfaces to Data Intensive Systems*, pages 60–71. IEEE Computer Society, May 2001.
- [DtH01] Marlon Dumas and Arthur H. M. ter Hofstede. UML activity diagrams as a workflow specification language. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 76–90. Springer, 2001.
- [DW98] Desmond D’Souza and Alan Cameron Wills. *Objects, Components and Frameworks With UML: The Catalysis Approach*. Addison-Wesley, 1998.
- [EC97] Andy Evans and Tony Clark. Foundations of the Unified Modeling Language. In *Proc. of the 2nd BCS-FACS Northern Formal Methods Workshop, Ilkley, UK, 23-24 September 1997*, 1997.
- [EFLR98] Andy Evans, Robert B. France, Kevin Lano, and Bernhard Rumpe. Developing the UML as a formal modelling notation. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML’98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 297–307, 1998.
- [EFLR99] Andy Evans, Robert B. France, Kevin Lano, and Bernhard Rumpe. The UML as a formal modeling notation. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML’98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 336–348. Springer, 1999.
- [EFMR01] Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors. *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held*

together with the UML 2001 October 1st, 2001 in Toronto, Canada, volume P-7 of *LNI*. German Informatics Society, 2001.

- [Egy03] Alexander Egyed. Compositional and relational reasoning during class abstraction. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 121–137. Springer, 2003.
- [EHHS00] Gregor Engels, Jan Hendrik Hausmann, Reiko Heckel, and Stefan Sauer. Dynamic meta modeling: A graphical approach to the operational semantics of behavioral diagrams in UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 323–337. Springer, 2000.
- [EHK01] Gregor Engels, Reiko Heckel, and Jochen Malte Küster. Rule-based specification of behavioral consistency based on the UML meta-model. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 272–286. Springer, 2001.
- [EHK03] Gregor Engels, Reiko Heckel, and Jochen M. Küster. The consistency workbench: A tool for consistency management in UML-based development. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 356–359. Springer, 2003.
- [EKG02] Gregor Engels, Reiko Heckel, Jochen Malte Küster, and Luuk Groenewegen. Consistency-preserving model evolution through transformations. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 212–226. Springer, 2002.
- [EHS00] Gregor Engels, Reiko Heckel, and Stefan Sauer. UML – a universal modeling language? In M. Nielsen and D. Simpson, editors, *Proc. Application and Theory of Petri Nets 2000, 21st International Conference, ICATPN 2000, Aarhus, Denmark, June 2000.*, volume 1825 of *LNCS*, pages 24–38. Springer, 2000.
- [EHSW99] Gregor Engels, Roland Hücking, Stefan Sauer, and Annika Wagner. UML collaboration diagrams and their transformation to Java. In Robert

France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 473–488. Springer, 1999.

- [EK99] Andy Evans and Stuart Kent. Core meta-modelling semantics of UML: The pUML approach. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 140–155. Springer, 1999.
- [EK00] Mohammed Elkoutbi and Rudolf K. Keller. User interface prototyping based on UML scenarios and high-level Petri nets. In M. Nielsen and D. Simpson, editors, *Proc. Application and Theory of Petri Nets 2000, 21st International Conference, ICATPN 2000, Aarhus, Denmark, June 2000.*, volume 1825 of *LNCS*, pages 166–186. Springer, 2000.
- [EK02] Mohammed Elkoutbi and Rudolf K. Keller. A comparison framework and assessment of two specification approaches based on UML scenarios. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [EKS00] Andy Evans, Stuart Kent, and Bran Selic, editors. *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*. Springer, 2000.
- [EM99] Alexander Egyed and Nenad Medvidovic. Extending architectural representation in UML with view integration. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 2–16. Springer, 1999.
- [EM00] Alexander Egyed and Nenad Medvidovic. A formal approach to heterogeneous software modeling. In Tom Maibaum, editor, *Proc. Fundamental Approaches to Software Engineering (FASE 2000), Berlin, Germany*, volume 1783 of *LNCS*, pages 178–192. Springer, 2000.
- [Eng02] Vincent Englebert. The synchronization of independent and specific models. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [eTSBL02] Marie-Noelle Terrasse, Marinette Savonnet, George Becker, and Eric Leclercq. A UML-based metamodeling architecture with example frameworks. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.

- [Eva98a] Andy Evans. Making UML precise. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOP-SLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Eva98b] Andy Evans. Reasoning with the Unified Modeling Language. In *Proc. Workshop on Industrial-Strength Formal Specification Techniques (WIFT'98)*, 1998.
- [EW00] Rik Eshuis and Roel Wieringa. Requirements level semantics for UML statecharts. In Scott F. Smith and Carolyn L. Talcott, editors, *Formal Methods for Open Object-Based Distributed Systems IV - Proc. FMOODS'2000, September, 2000, Stanford, California, USA*. Kluwer Academic Publishers, 2000.
- [EW01a] Rik Eshuis and Roel Wieringa. An execution algorithm for UML activity graphs. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 47–61. Springer, 2001.
- [EW01b] Rik Eshuis and Roel Wieringa. A real-time execution semantics for UML activity diagrams. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 76–90. Springer, 2001.
- [Fav01] Liliana M. Favre. A formal mapping between UML static models and algebraic specifications. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Counteracting or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 113–127. German Informatics Society, 2001.
- [FB97] Robert B. France and Jean-Michel Bruel. Integrated informal object-oriented and formal modeling techniques. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 83–89. Technische Universität München, TUM-I9725, 1997.
- [FBLPS97] Robert B. France, Jean-Michel Bruel, Maria Larrondo-Petrie, and M. Shroff. Exploring the semantics of UML type structures with Z. In H. Bowman and J. Derrick, editors, *Proc. 2nd IFIP Conf. Formal Methods for Open Object-Based Distributed Systems (FMOODS'97)*. Chapman and Hall, London, 1997.
- [FC99] Liliana Favre and Silvia Clérici. Integrating UML and algebraic specification techniques. In Christine Mingins, editor, *Proceedings of TOOLS Pacific 1999*. IEEE Computer Society, 1999.

- [FC01] Liliana Favre and Silvia Clérici. A systematic approach to transform uml static models to object-oriented code. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 2, pages 21–42. Idea Publishing Group, 2001.
- [FEL97] Robert B. France, Andy Evans, and Kevin Lano. The UML as a formal modeling notation. In Haim Kilov, Bernhard Rumpe, and Ian Simmonds, editors, *Proceedings OOPSLA'97 Workshop on Object-oriented Behavioral Semantics*, pages 75–81. Technische Universität München, TUM-I9737, 1997.
- [FELR98] Robert B. France, Andy Evans, Kevin Lano, and Bernhard Rumpe. The UML as a formal modeling notation. *Computer Standards & Interfaces*, 19(7):325–334, November 1998.
- [FFJ99] A. Felfernig, G. E. Friedrich, and D. Jannach. UML as domain specific language for the construction of knowledge based configurations systems. In *Proc. SEKE'99 Eleventh International Conference on Software Engineering and Knowledge Engineering*, 1999.
- [FFJZ02a] Alexander Felfernig, Gerhard Friedrich, Dietmar Jannach, and Markus Zanker. Configuration knowledge representation using UML/OCL. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 49–62. Springer, 2002.
- [FFJZ02b] Alexander Felfernig, Gerhard Friedrich, Dietmar Jannach, and Markus Zanker. UML as a semantic configuration web service description language. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [FHD⁺99] Thomas Firley, Michaela Huhn, Karsten Diethers, Thomas Gehrke, and Ursula Goltz. Timed sequence diagrams and tool-based analysis a case study. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 645–660. Springer, 1999.
- [FHS02] Peter Fröhlich, Zaijun Hu, and Manfred Schoelzke. Using UML for information modeling in industrial systems with multiple hierarchies. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 63–72. Springer, 2002.

- [FJ02a] Babak A. Farshchian and Sune Jakobsson. Coupling MDA and parlay to increase reuse in telecommunication application development. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [FJ02b] E. B. Fernandez and Jan Jürjens. A holistic view of secure systems development: Using patterns and UML. In *SEC 2002 – 17th International Conference on Information Security*, Cairo, May 2002. Tutorial.
- [FJZ00] Alexander Felfernig, Dietmar Jannach, and Markus Zankers. Contextual diagrams as structuring mechanisms for designing configuration knowledge bases in UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 240–254. Springer, 2000.
- [FL00] Peter Fröhlich and Johannes Link. Automated test case generation from dynamic models. In E. Bertino, editor, *Proceedings of ECOOP 2000*, volume 1850 of *LNCS*, pages 472–491. Springer, 2000.
- [Fla98] Rony Flatscher. Exchange of UML-models with EIA/CDIF. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 3–13. Physica-Verlag, Heidelberg, 1998.
- [FM02a] Stephan Flake and Wolfgang Mueller. An OCL extension for real-time constraints. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 150–171. Springer, 2002.
- [FM02b] Stephan Flake and Wolfgang Mueller. Specification of real-time properties for UML models. In Ralph H. Sprague, Jr., editor, *Proc. 35th Annual Hawaii International Conference on System Sciences (HICSS-35)*. IEEE Computer Society, 2002.
- [FM02c] Stephan Flake and Wolfgang Mueller. A UML profile for real-time constraints with the OCL. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 179–195. Springer, 2002.
- [FM03] Stephan Flake and Wolfgang Mueller. Semantics of state-oriented expressions in the object constraint language. In *Fifteenth International Conference on Software Engineering and Knowledge Engineering (SEKE 2003), San Francisco, CA, USA*. Knowledge Systems Institute, Skokie, USA, 2003.

- [FM04] Stephan Flake and Wolfgang Mueller. An ASM definition of the dynamic OCL 2.0 semantics. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 226–240. Springer, 2004.
- [FMMMP02] E. Fernandez-Medina, A. Martinez, C. Medina, and M. Piattini. UML for the design of secure databases: Integrating security levels, user roles, and constraints in the database design process. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML’02 workshop*, pages 93–106. Technische Universität München, Institut für Informatik, 2002.
- [FMP04] Eduardo Fernández-Medina and Mario Piattini. Extending OCL for secure database development. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 380–394. Springer, 2004.
- [FNTZ98] T. Fischer, J. Niere, L. Torunski, and Albert Zündorf. Story diagrams: A new graph transformation language based on UML and Java. In H. Ehrig, G. Engels, H.-J. Kreowski, and G. Rozenberg, editors, *Proc. Theory and Application to Graph Transformations (TAGT'98), Paderborn, November, 1998*, volume 1764 of *LNCS*. Springer, 1998.
- [FOW01] Clemens Fischer, Ernst-Rüdiger Olderog, and Heike Wehrheim. A CSP view on UML-RT structure diagrams. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 91–108. Springer, 2001.
- [Fow03] Martin Fowler. What is the point of the UML? In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, page 325. Springer, 2003.
- [FPR00] Marcus Fontoura, Wolfgang Pree, and Bernhard Rumpe. UML-F: A modeling language for object-oriented frameworks. In E. Bertino, editor, *Proceedings of ECOOP 2000*, volume 1850 of *LNCS*, pages 63–82. Springer, 2000.
- [FPS03] M. E. Fayad, R. S. Pradeep, and F. Seddiqi. Aspects in communications: Performance. In Faisal Akkawi, Omar Aldawud, Grady Booch,

- Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [FR99a] Robert France and Bernhard Rumpe, editors. *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*. Springer, 1999.
- [FR99b] Xavier Franch and Josep M. Ribo. Using UML for software process modelling. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 292–307. Springer, 1999.
- [FR03] M.E. Fayad and Anita Ranganath. Modeling aspects using software stability and UML. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [Fra98] Ulrich Frank. Object-oriented modeling languages: State of the art and open research questions. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 14–31. Physica-Verlag, Heidelberg, 1998.
- [Fra02] Robert B. France. UML-based aspect-oriented modeling: Open questions and challenges. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [FS97] Martin Fowler and Kendall Scott. *UML Distilled: Applying the Standard Object Modeling Language*. Addison-Wesley, 1997.
- [FSJB01] Jacqueline Floch, Richard Sanders, Ulrik Johansen, and Rolv Bræk. Using UML for implementation design of SDL systems. In *SDL 2001: Meeting UML. 10th International SDL Forum Copenhagen, Denmark, June 27-29, 2001, Proceedings*, volume 2078 of *LNCS*, pages 90–107. Springer, 2001.
- [Gar02] David Garlan. Software, heal thyself! In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, page 351. Springer, 2002.
- [GBF01] Geri Georg, James Bieman, and Robert B. France. Using alloy and UML/OCL to specify run-time configuration management: A case study. In Andy Evans, Robert France, Ana Moreira, and Bernhard

- Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 128–141. German Informatics Society, 2001.
- [GBR03] Martin Gogolla, Jörn Bohling, and Mark Richters. Validation of UML and OCL models by automatic snapshot generation. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 265–279. Springer, 2003.
- [GE04] Agustín Goñi and Yadran Eterovic. Building precise UML constructs to model concurrency using OCL. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 212–225. Springer, 2004.
- [Gei98] Robert Geisler. Precise UML semantics through formal metamodeling. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [GFN02] Clare Gryce, Anthony Finkelstein, and Christian Nentwich. Lightweight checking for UML based software development. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 124–132. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [GFR02] Geri Georg, Robert B. France, and I. Ray. An aspect-based approach to modeling security concerns. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 107–120. Technische Universität München, Institut für Informatik, 2002.
- [GFR03] Geri Georg, Robert France, and Indrakshi Ray. Composing aspect models. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.

- [GGW98] Thomas Gehrke, Ursula Goltz, and Heike Wehrheim. The dynamic models of UML: Towards a semantics and its application in the development process. *Hildesheimer Informatik-Bericht 11/98*, September 1998 11/98, Institut für Informatik, Universität Hildesheim, 1998.
- [GGW99a] Thomas Gehrke, Ursula Goltz, and Heike Wehrheim. Zur semantischen analyse der dynamischen modelle von UML mit petri-netzen. In E. Schnieder, editor, *Proceedings of The 6th Symposium on Development and Operation of Complex Automation Systems*, 1999.
- [GGW99b] Holger Giese, Jörg Graf, and Guido Wirtz. Closing the gap between object-oriented modeling of structure and behavior. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 534–549. Springer, 1999.
- [GH02] Günter Graw and Peter Herrmann. Verification of xUML specifications in the context of MDA. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [GH04] Martin Giese and Rogardt Heldal. From informal to formal specifications in UML. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 197–211. Springer, 2004.
- [GHL04] Martin Giese, Reiner Hähnle, and Daniel Larsson. Rule-based simplification of OCL constraints. In Octavian Patrascoiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 84–98. University of Kent, 2004.
- [GHS02] Martin Gogolla and Brian Henderson-Sellers. Analysis of UML stereotypes within the UML metamodel. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 84–99. Springer, 2002.
- [GK98] Joseph Gil and Stuart Kent. Three dimensional software modeling. In *Forging New Links, Proceedings of the 1998 International Conference on Software Engineering, ICSE 98, April 19-25, 1998, Kyoto, Japan*. IEEE Computer Society, 1998.
- [GK00a] David Garlan and Andrew J. Kompanek. Reconciling the needs of architectural description with object-modeling notations. In Andy Evans,

Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 498–512. Springer, 2000.

- [GK00b] Martin Gogolla and Ralf Kollmann. Re-documentation of Java with UML class diagrams. In Eliot Chikofsky, editor, *Proc. 7th Reengineering Forum, Reengineering Week 2000 Zürich*, pages 41–48. Reengineering Forum, Burlington, Massachusetts, 2000.
- [GK01] Martin Gogolla and Cris Kobryn, editors. *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*. Springer, 2001.
- [GKW01] Dina Goldin, David Keil, and Peter Wegner. An interactive viewpoint on the role of UML. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 15, pages 249–263. Idea Publishing Group, 2001.
- [GL03] Martin Gogolla and Arne Lindow. Transforming data models with UML. In Borys Omelayenko and Michel Klein, editors, *Knowledge Transformation for the Semantic Web*, pages 18–33. IOS Press, Amsterdam, 2003.
- [GLM99] S. Gnesi, Diego Latella, and Mieke Massink. Model checking UML statechart diagrams using JACK. In Raymond Paul and Catherine Meadows, editors, *Proc. of the Fourth IEEE International Symposium on High Assurance Systems Engineering*. IEEE, 1999.
- [GLM01] Gonzalo Génova, Juan Llorens, and Paloma Martínez. Semantics of the minimum multiplicity in ternary associations in UML. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 329–341. Springer, 2001.
- [GLQ02] Gonzalo Génova, Juan Llorens, and Víctor Quintana. Digging into use case relationships. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 115–127. Springer, 2002.
- [GLRZ02] Martin Gogolla, Arne Lindow, Mark Richters, and Paul Ziemann. Metamodel transformation of data models. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.

- [GM01] Vincenzo Grassi and Raffaela Mirandola. UML modelling and performance analysis of mobile software architectures. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 209–224. Springer, 2001.
- [GMS02] Ana Belen Garcia, Jason Mansell, and David Sellier. From customer requirements to PIM: necessity and reality. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [GMS04] Vincenzo Grassi, Raffaela Mirandola, and Antonino Sabetta. A UML profile to model mobile systems. In Thomas Baar, Alfred Strohmaier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 128–142. Springer, 2004.
- [Gog98] Martin Gogolla. UML for the impatient. Research Report 3/98, Universität Bremen, 1998.
- [Gog00] Martin Gogolla. Graph transformations on the UML metamodel. In Jose D. P. Rolim, Andrei Z. Broder, Andrea Corradini, Roberto Gorrieri, Reiko Heckel, Juraj Hromkovic, Ugo Vaccaro, and Joe B. Wells, editors, *Proc. ICALP Workshop Graph Transformations and Visual Modeling Techniques (GVMT'2000)*, pages 359–371. Carleton Scientific, Waterloo, Ontario, Canada, 2000.
- [Gog01a] Martin Gogolla. Formal methods versus UML's OCL. In Stefan Jähnichen, Jeff Kramer, Michel Lemoine, and Martin Wirsing, editors, *Can Formal Methods Cope with Software-Intensive Systems*, pages 19–20. Dagstuhl-Seminar-Report 308, 2001.
- [Gog01b] Martin Gogolla. Using OCL for defining precise, domain-specific UML stereotypes. In Aybuke Aurum and Ross Jeffery, editors, *Proc. 6th Australian Workshop on Requirements Engineering (AWRE'2001)*, pages 51–60. Centre for Advanced Software Engineering Research (CAESER), University of New South Wales, Sydney, 2001.
- [Gou98] João Gouveia. The OBLOG approach. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [GPP98] Martin Gogolla and Francesco Parisi-Presicce. State diagrams in UML: A formal semantics using graph transformations. In Manfred Broy, Derek Coleman, Tom S. E. Maibaum, and Bernhard Rumpe, editors, *Proceedings PSMT'98 Workshop on Precise Semantics for Modeling Techniques*. Technische Universität München, TUM-I9803, 1998.

- [GR98a] Martin Gogolla and Mark Richters. Equivalence rules for UML class diagrams. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 87–96, 1998.
- [GR98b] Martin Gogolla and Mark Richters. On combining semi-formal and formal object specification techniques. In Francesco Parisi-Presice, editor, *Recent trends in algebraic development techniques: 12th international workshop, WADT'97, Tarquinia, Italy, June 3–7, 1997: selected papers*, volume 1376 of *LNCS*. Springer, 1998.
- [GR98c] Martin Gogolla and Mark Richters. On constraints and queries in UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 109–121. Physica-Verlag, Heidelberg, 1998.
- [GR99] Martin Gogolla and Mark Richters. Transformation rules for UML class diagrams. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 92–106. Springer, 1999.
- [GR00a] Martin Gogolla and Mark Richters. Definition von UML mit UML und OCL: Ein Überblick zum Stand der Technik. In Mario Jeckle, Bernhard Rumpe, Andy Schürr, and Andreas Winter, editors, *Proc. 7. GROOM-Workshop “UML - Erweiterungen (Profile) und Konzepte der Metamodellierung”*. Universität Koblenz-Landau, Fachbereich Informatik, 2000. Auch: Softwaretechnik-Trends, 20:2, 2000, ISSN 0720-8928.
- [GR00b] Peter Graubmann and Ekkart Rudolph. Hypermscs and sequence diagrams for use case modelling and testing. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 32–46. Springer, 2000.
- [GR00c] M. Große-Rhode. Using a formal reference model for consistency checking and integration of uml diagrams. In Peter A. Ng, editor, *Proc. Fifth International Conference on Integrated Design and Process Technology (IDPT'2000), June 2000, Dallas, Texas*, 2000.
- [GR02a] Martin Gogolla and Mark Richters. Development of UML descriptions with USE. In Hassan Shafazand and A Min Tjoa, editors, *Proc. 1st Eurasian Conf. Information and Communication Technology (EURASIA'2002)*, volume 2510 of *LNCS*, pages 228–238. Springer, 2002.
- [GR02b] Martin Gogolla and Mark Richters. Expressing UML class diagrams properties with OCL. In Tony Clark and Jos Warmer, editors, *Object*

Modeling with the OCL: The Rationale behind the Object Constraint Language, pages 85–114. Springer, 2002.

- [GRB⁺04] Martin Gogolla, Mark Richters, Jörn Bohling, Arne Lindow, Fabian Büttner, and Paul Ziemann. Werkzeugunterstützung für die validierung von UML- und OCL-modellen durch automatische snapshot-generierung. In Bernhard Rumpe and Wolfgang Hesse, editors, *Modellierung 2004, Proceedings zur Tagung, 23-26. März 2004, Marburg*, volume P-45 of *LNI*, pages 281–282. Gesellschaft für Informatik, 2004.
- [GRF04] Geri Georg, Raghu Reddy, and Robert France. Specifying cross-cutting requirement concerns. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 113–127. Springer, 2004.
- [GRKR00] Martin Gogolla, Oliver Radfelder, Ralf Kollmann, and Mark Richters. Analysing atomic dynamic UML notions by surfing through the UML metamodel. In Gianna Reggio, Alexander Knapp, Bernhard Rumpe, Bran Selic, and Roel Wieringa, editors, *Proc. UML'00 Workshop Dynamic Behaviour in UML Models*, pages 57–62. LMU München, Informatik-Bericht Nr. 0006, 2000.
- [GRR99a] Martin Gogolla, Oliver Radfelder, and Mark Richters. Towards three-dimensional animation of UML diagrams. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 489–502. Springer, 1999.
- [GRR99b] Martin Gogolla, Oliver Radfelder, and Mark Richters. A UML semantics FAQ - the view from bremen. In S. J. H. Kent, A. Evans, and B. Rumpe, editors, *Proc. ECOOP'99 Workshop UML Semantics FAQ*. University of Brighton, 1999.
- [GS03] Iris Groher and Stefan Schulze. Generating aspect code from UML models. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [GS04] Ahmed Gaafar and Sherif Sakr. Towards a framework for mapping between UML/OCL and XML/xquery. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 241–259. Springer, 2004.

- [GSJ00] Alain Le Guennec, Gerson Sunyé, and Jean-Marc Jézéquel. Precise modeling of design patterns. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 482–496. Springer, 2000.
- [GSMD03] Pieter Van Gorp, Hans Stenten, Tom Mens, and Serge Demeyer. Towards automating source-consistent UML refactorings. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 144–158. Springer, 2003.
- [GZ02] Leif Geiger and Albert Zündorf. Graph based debugging with fujaba. In *Graph-Based Tools (GraBaTs 2002), October 7-8, 2002, Barcelona, Spain.*, volume 72(2) of *ENTCS*. Elsevier, 2002.
- [GZ04] Martin Gogolla and Paul Zieman. Checking BART test scenarios with UML’s object constraint language. In Fabrice Kordon and Michel Lemoine, editors, *Formal Methods for Embedded Distributed Systems: How To Master The Complexity*, chapter 5, pages 133–170. Kluwer Academic Publishers, 2004.
- [GZK02] Martin Gogolla, Paul Zieman, and Sabine Kuske. Towards an integrated graph based semantics for uml. In Paolo Bottoni and Mark Minas, editors, *GT-VMT’2002 Graph Transformation and Visual Modeling Techniques, Barcelona, Spain, 11-12 October 2002*, volume 72(3) of *ENTCS*. Elsevier, 2002.
- [Hal98] Terry Halpin. UML data models from an ORM perspective: Part 1-5. *The Journal of Conceptual Modeling*, 1998.
- [Hal01] Terry Halpin. Supplementing UML with concepts from ORM. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 11, pages 167–184. Idea Publishing Group, 2001.
- [Ham98] Ali Hamie. A formal semantics for checking and analysing UML models. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA’98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Ham99] Ali Hamie. Enhancing the Object Constraint Language for more expressive specifications. In *Proceedings Asia Pacific Software Engineering Conference (APSEC ’99), December, 1999, Takamatsu, Japan*. IEEE Computer Society, 1999.
- [Hau01] Øystein Haugen. From MSC-2000 to UML 2.0 - The future of sequence diagrams. In *SDL 2001: Meeting UML. 10th International SDL Forum*

- Copenhagen, Denmark, June 27-29, 2001, Proceedings*, volume 2078 of *LNCS*, pages 38–51. Springer, 2001.
- [Hay98] Dave Hay. UML misses the boat. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
 - [HB98] Terry Halpin and Anthony Bloesch. A comparison of UML and ORM for data modeling. In *Proc. CAiSE'98/IFIP 8.1 Third International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design (EMMSAD'98)*, 1998.
 - [HCH⁺98] Ali Hamie, Franco Civerello, John Howse, Stuart Kent, and Richard Mitchell. Reflections on the Object Constraint Language. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 137–145, 1998.
 - [HCH⁺99] Ali Hamie, Franco Civerello, John Howse, Stuart Kent, and Richard Mitchell. Reflections on the Object Constraint Language. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 162–172. Springer, 1999.
 - [HdBLS02] S.-H. Houmb, F. den Braber, M. Soldal Lund, and K. Stolen. Towards a UML profile for model-based risk assessment. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 79–92. Technische Universität München, Institut für Informatik, 2002.
 - [HDF00] Heinrich Hussmann, Birgit Demuth, and Frank Finger. Modular architecture for a toolset supporting OCL. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 278–293. Springer, 2000.
 - [Her99] Dominikus Herzberg. UML-RT as a candidate for modeling embedded real-time systems in the telecommunication domain. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 330–338. Springer, 1999.
 - [Hes01] Wolfgang Hesse. RUP: A process model for working with UML. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 4, pages 61–74. Idea Publishing Group, 2001.

- [HG02] K.T. Hansen and I. Gullesen. Utilizing UML and patterns for safety critical systems. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 147–154. Technische Universität München, Institut für Informatik, 2002.
- [HHB02] Rolf Hennicker, Heinrich Hussmann, and Michel Bidoit. On the precise meaning of OCL constraints. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 69–84. Springer, 2002.
- [HHK98a] Ali Hamie, John Howse, and Stuart Kent. Interpreting the Object Constraint Language. In *Proceedings 5th Asia Pacific Software Engineering Conference (APSEC '98), December 2-4, 1998, Taipei, Taiwan*. IEEE Computer Society, 1998.
- [HHK98b] Ali Hamie, John Howse, and Stuart Kent. Navigation expressions in object-oriented modelling. In Egidio Astesiano, editor, *Proceedings Fundamental Approaches to Software Engineering, 1st International Conference, FASE'98, Held as Part of the European Joint Conferences on the Theory and Practice of Software, ETAPS'98, Lisbon, Portugal, March 28 - April 4, 1998*, volume 1382 of *LNCS*, pages 123–?? Springer, 1998.
- [HHKT02] Bogumila Hnatkowska, Zbigniew Huzar, Ludwik Kuzniarz, and Lech Tuzinkiewicz. A systematic approach to consistency within UML based software development process. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 16–29. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [HHS02a] Jan Hendrik Hausmann, Reiko Heckel, and Stefan Sauer. Dynamic meta modeling with time: Specifying the semantics of multimedia sequence diagrams. In Paolo Bottoni and Mark Minas, editors, *GT-VMT'2002 Graph Transformation and Visual Modeling Techniques, Barcelona, Spain, 11-12 October 2002*, volume 72(3) of *ENTCS*. Elsevier, 2002.
- [HHS02b] Jan Hendrik Hausmann, Reiko Heckel, and Stefan Sauer. Extended model relations with graphical consistency conditions. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 61–74. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.

- [Hil99] Rich Hilliard. Using the UML for architectural description. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 32–48. Springer, 1999.
- [HK98] Martin Hitz and Gerti Kappel. Developing with UML - goodies, pitfalls, workarounds. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, 1998.
- [HK99a] Martin Hitz and Gerti Kappel. Developing with UML - some pitfalls and workarounds. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 9–20. Springer, 1999.
- [HK99b] Martin Hitz and Gerti Kappel. *UML@Work: Von der Analyse zur Realisierung*. dpunkt-Verlag, Heidelberg, 1999.
- [HK00] Rolf Hennicker and Nora Koch. A UML-based methodology for hypermedia design. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 410–424. Springer, 2000.
- [HK01a] Rolf Hennicker and Nora Koch. Modeling the user interface of web applications with UML. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 158–172. German Informatics Society, 2001.
- [HK01b] Rolf Hennicker and Nora Koch. Systematic design of web applications with UML. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 1, pages 1–20. Idea Publishing Group, 2001.
- [HKS01] Jan Hendrik Hausmann, Jochen Malte Küster, and Stefan Sauer. Identifying semantic dimensions of (UML) sequence diagrams. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 142–157. German Informatics Society, 2001.
- [HLL01] J. He, Z. Liu, and X. Li. A relational model for object-oriented programming. Technical Report UNU/IIST Report No. 231, International

Institute for Software Technology, the United Nations University, P.O. Box 3058, Macau, SAR, P.R. China, May 2001. 21 pages.

- [HLL02] J. He, Z. Liu, and X. Li. Towards a refinement calculus for object-oriented systems. In *Proc. of 1st IEEE International Conference on cognitive Informatics (ICCI02)*, pages 69–76, Alberta, Canada, August 2002. IEEE Computer Society.
- [HLL03] J. He, Z. Liu, and X. Li. Component calculus. In V.H. Dang and Z. Liu, editors, *Proc. Proc. Workshop on Formal Aspects of Component Software (FACS'03), Satellite Workshop of FME2003, Pisa, Italy, 8-9 September, 2003*. UNU/IIST Report No 284, UNU/IIST, P.O. Box 3058, Macao, 2003.
- [Hol98] Eckhardt Holz. Application of UML within the scope of new telecommunication architectures. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 207–219. Physica-Verlag, Heidelberg, 1998.
- [HP04] Stefan Haustein and Jörg Pleumann. OCL as expression language in an action semantics surface language. In Octavian Patrascioiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 99–113. University of Kent, 2004.
- [HPKM03] Imed Hammouda, Mika Pussinen, Mika Katara, and Tommi Mikkonen. UML-based approach for documenting and specializing frameworks using patterns and concern architectures. In Faisal Akkawi, Omar Al-dawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [HR00] David Harel and Bernhard Rumpe. Modeling languages: Syntax, semantics and all that stuff - part I: The basic stuff. Technical Report MCS00-16, Faculty of Mathematics and Computer Science, The Weizmann Institute of Science, Israel, September 2000.
- [HR01] Reiner Hähnle and Aarne Ranta. Connecting OCL with the rest of the world. In *ETAPS 2001 Workshop on Transformations in UML (WTUML), Genova, Italy, 7th April*, 2001.
- [HRR98] Franz Huber, Andreas Rausch, and Bernhard Rumpe. Modeling dynamic component interfaces. In Madhu Singh, Bertrand Meyer, Joseph Gil, and Richard Mitchell, editors, *Technology of Object-Oriented Languages and Systems (TOOLS 26)*. IEEE Computer Society, 1998.
- [Hru98a] Pavel Hruby. Structuring design deliverables with UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 251–260, 1998.

- [Hru98b] Pavel Hruby. Structuring specification of business systems with UML (with an emphasis on workflow management systems). In *Proc. OOP-SLA'98 Business Object Workshop*. Springer, 1998.
- [Hru99a] Pavel Hruby. Designing UML based development processes. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 308–323. Springer, 1999.
- [Hru99b] Pavel Hruby. Structuring UMLdesign deliverables. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 278–293. Springer, 1999.
- [HS98] Brian Henderson-Sellers. OML: Proposals to enhance UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 319–329, 1998.
- [HS99] Brian Henderson-Sellers. OML: Proposals to enhance UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 349–364. Springer, 1999.
- [HS01a] Reiko Heckel and Stefan Sauer. Strengthening uml collaboration diagrams by state transformations. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 109–123. Springer, 2001.
- [HS01b] Brian Henderson-Sellers. Some problems with the UML V1.3 metamodel. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [HS03] Øystein Haugen and Ketil Stølen. STAIRS - steps to analyze interactions with refinement semantics. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 388–402. Springer, 2003.
- [HSAF99] Brian Henderson-Sellers, Colin Atkinson, and Don Firesmith. A UML variant: OML. In Robert France and Bernhard Rumpe, editors, *UML'99*

- *The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 49–66. Springer, 1999.

- [HSB99] Brian Henderson-Sellers and Franck Barbier. Black and white diamonds. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 550–565. Springer, 1999.
- [HSCG01] Brian Henderson-Sellers, Graham Collins, and Ian Graham. UML compatible processes. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [HSU00] Brian Henderson-Sellers and Bhuvan Unhelkar. *OPEN Modeling with UML*. Addison-Wesley, 2000.
- [HT99] Robert J. Hall and Ernst Tyugu, editors. *Proc. of the 14th IEEE International Conference on Automated Software Engineering, ASE'99*. IEEE, 1999.
- [Hue01] Christian Huemer. Defining electronic data interchange transactions with UML. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [Hus01] Heinrich Hussmann, editor. *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*. Springer, 2001.
- [HW97] Paul Harmon and Mark Watson. *Understanding UML: The Developer's Guide*. Morgan Kaufmann, 1997.
- [Hyb02] Duane Hybertson. Strengthening the modeling foundation of the MDA. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [HYS⁺04] Susumu Hayashi, Pan Yibing, Masami Sato, Kenji Mori, Sul Sejeon, and Shusuke Haruna. Test driven development of UML models with SMART modeling system. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 395–409. Springer, 2004.

- [Iso03] Sadahiro Isoda. A critique of UML's definition of the use-case class. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 280–294. Springer, 2003.
- [Iye98] Sridhar Iyengar. A universal repository architecture using OMG UML and MOF. In Cris Kobryn, editor, *Proceedings of The Second International Enterprise Distributed Object Computing Workshop*. IEEE, 1998.
- [IZ03] Masanori Iwamoto and Jianjun Zhao. Refactoring aspect-oriented programs. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [Jac02] Michael Jackson. Descriptions in software development. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, page 1. Springer, 2002.
- [Jan02] D. N. Jansen. Probabilistic UML statecharts for specification and verification a case study. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 121–132. Technische Universität München, Institut für Informatik, 2002.
- [JBR99] Ivar Jacobson, Grady Booch, and Jim Rumbaugh. *The Unified Software Development Process*. Addison-Wesley, 1999.
- [JC02] Jens Bæk Jørgensen and Søren Christensen. Executable design models for a pervasive healthcare middleware system. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 140–149. Springer, 2002.
- [JCF⁺02] Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors. *Critical Systems Development with UML – Proceedings of the UML'02 workshop*. Technische Universität München, Institut für Informatik, 2002. Technical Report TUM-I0208.
- [JGP98] Jean-Marc Jézéquel, Alain Le Guennec, and François Pennaneac'h. Validating distributed software modeled with UML. In Jean Bézivin and

- Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 331–340, 1998.
- [JGP99] Jean-Marc Jézéquel, Alain Le Guennec, and François Pennaneac'h. Validating distributed software modeled with the Unified Modeling Language. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 365–377. Springer, 1999.
- [JHC02] Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors. *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*. Springer, 2002.
- [JHGP99] Jean-Marc Jézéquel, Wai-Ming Ho, Alain Le Guennec, and François Pennaneac'h. UMLAUT: an extendible UML transformation framework. In Robert J. Hall and Ernst Tyugu, editors, *Proc. of the 14th IEEE International Conference on Automated Software Engineering, ASE'99*. IEEE, 1999.
- [JHK03] David N. Jansen, Holger Hermanns, and Joost-Pieter Katoen. A qos-oriented extension of UML statecharts. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 76–91. Springer, 2003.
- [Joh04] Kristofer Johannisson. Disambiguation implicit constructions in OCL. In Octavian Patrascoiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 30–44. University of Kent, 2004.
- [JS04] Jan Jürjens and Pasha Shabalin. Automated verification of UMLsec models for security requirements. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 365–379. Springer, 2004.
- [JSW99] Dirk Jäger, Ansgar Schleicher, and Bernhard Westfechtel. Using UML for software process modeling. In *Proc. Software Engineering - ESEC/FSE'99. 7th European Software Engineering Conference, Toulouse, France, September 1999.*, volume 1687 of *LNCS*, pages 91–?? Springer, 1999.

- [JSZ⁺04] Yanbing Jiang, Weizhong Shao, Lu Zhang, Zhiyi Ma, Xiangwen Meng, and Haohai Ma. On the classification of UML's meta model extension mechanism. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 54–68. Springer, 2004.
- [Jür01a] Jan Jürjens. Developing secure systems with UMLsec: From business processes to implementation. In Dirk Fox, Marit Köhntopp, and Andreas Pfitzmann, editors, *Verlässliche IT-Systeme 2001 - Sicherheit in komplexen IT-Infrastrukturen*. Vieweg, September 2001. Proceedings of VIS 2001.
- [Jür01b] Jan Jürjens. Formal development and verification of security-critical systems with UML. In *AVoCS'01 - Workshop on Automated Verification of Critical Systems*, Oxford, April 2001.
- [Jür01c] Jan Jürjens. Modelling audit security for smart-card payment schemes with UMLsec. In M. Dupuy and P. Paradinas, editors, *Trusted Information: The New Decade Challenge*, pages 93–108. Kluwer Academic Publishers, June 2001. Proceedings of SEC 2001 – 16th International Conference on Information Security.
- [Jür01d] Jan Jürjens. Secure Java development with UMLsec. In B. De Decker, F. Piessens, J. Smits, and E. Van Herrenweghen, editors, *Advances in Network and Distributed Systems Security*. Kluwer Academic Publishers, November 2001. Proceedings of the First Annual Working Conference on Network Security (I-NetSec '01).
- [Jür01e] Jan Jürjens. Towards development of secure systems using UMLsec. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 187–200. Springer, 2001.
- [Jür01f] Jan Jürjens. Transformations for introducing patterns – a secure systems case study. In *WTUML: Workshop on Transformations in UML (ETAPS 2001 Satellite Event)*, April 2001.
- [Jür02a] Jan Jürjens. Formal semantics for interacting UML subsystems. In B. Jacobs and A. Rensink, editors, *5th International Conference on Formal Methods for Open Object-Based Distributed Systems (FMOODS 2002)*, pages 29–44. Kluwer Academic Publishers, March 2002. Proceedings of the First Annual Working Conference on Network Security (I-NetSec '01).

- [Jür02b] Jan Jürjens. A UML statecharts semantics with message-passing. In *Applied Computing 2002*, pages 1009–1013, Madrid, March 2002. Proceedings of the 2002 ACM Symposium of Applied Computing.
- [Jür02c] Jan Jürjens. UMLsec - presenting the profile. In *Sixth Annual Workshop On Distributed Objects and Components Security (DOCsec2002)*, Baltimore, MD, March 2002. Tutorial.
- [Jür02d] Jan Jürjens. UMLsec: Extending UML for secure systems development. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 412–425. Springer, 2002.
- [Jür02e] Jan Jürjens. Using UMLsec and goal-trees for secure systems development. In *Applied Computing 2002*, pages 1026–1031, Madrid, March 2002. Proceedings of the 2002 ACM Symposium of Applied Computing.
- [Jür03] Jan Jürjens. Developing safety-critical systems with UML. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 360–372. Springer, 2003.
- [KABH02] Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors. *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [Käh99] Pekka Kähkipuro. Uml based performance modeling framework for object-oriented distributed systems. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 356–371. Springer, 1999.
- [Kan02] Mohamed Mancona Kandé. Perspectival concern-spaces: An aspect-oriented architectural framework. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [Kat02] Mika Katara. Refinements and aspects in UML. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [KBJ98] Lore Kern-Bausch and Mario Jeckle. From a semantically irreducible formulated conceptual schema to an UML model. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 32–44. Physica-Verlag, Heidelberg, 1998.

- [KBSD01] Rudolf K. Keller, Jean-François Bédard, and Guy Saint-Denis. Design and implementation of a UML-based design repository. In *Advanced Information Systems Engineering. 13th International Conference, CAiSE 2001, Interlaken, Switzerland, June 4-8, 2001, Proceedings*, volume 2068 of *LNCS*, pages 448–464. Springer, 2001.
- [KC99] Soon-Kyeong Kim and David Carrington. Formalizing the UML class diagram using object-z. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 83–98. Springer, 1999.
- [KC00] Soon-Kyeong Kim and David Carrington. An integrated framework with UML and Object-Z for developing a precise specification. In N.N., editor, *Proceedings of APSEC 2000*. IEEE Computer Society, 2000.
- [KC03] Mohamed Kande and Valentin Crettaz. Towards patterns for concern-oriented software architecture. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [KEK98] Ismaïl Khriss, Mohammed Elkoutbi, and Rudolf K. Keller. Automating the synthesis of UML statechart diagrams from multiple collaboration diagrams. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 115–126, 1998.
- [KEK99] Ismaïl Khriss, Mohammed Elkoutbi, and Rudolf K. Keller. Automating the synthesis of UML StateChart diagrams from multiple collaboration diagrams. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 132–147. Springer, 1999.
- [KG01a] Ralf Kollmann and Martin Gogolla. Application of the UML associations and their adornments in design recovery. In Peter Aiken and Elizabeth Burd, editors, *Proc. 8th Working Conference on Reverse Engineering (WCRE'2001)*. IEEE Computer Society, 2001.
- [KG01b] Ralf Kollmann and Martin Gogolla. Capturing dynamic program behaviour with UML collaboration diagrams. In Pedro Sousa and Jürgen Ebert, editors, *Proc. 5th European Conf. Software Maintenance and Reengineering (CSMR'01)*, pages 58–67. IEEE Computer Society, 2001.
- [KG01c] Ralf Kollmann and Martin Gogolla. Selektive darstellung von programmstrukturen mit UML. In Jürgen Ebert and Franz Lehner, editors,

- Proc. 3. Workshop Software-Reengineering.* Universität Koblenz, Technischer Bericht, <http://www.uni-koblenz.de/ist/WSR2001>, 2001.
- [KG02] Ralf Kollmann and Martin Gogolla. Metric-based selective representation of UML diagrams. In Tibor Gyimóthy and Fernando Brito e Abreu, editors, *Proc. 6th European Conf. Software Maintenance and Reengineering (CSMR'02)*. IEEE Computer Society, 2002.
- [KGKK02] Sabine Kuske, Martin Gogolla, Ralf Kollmann, and Hans-Jörg Kreowski. An integrated semantics for UML class, object, and state diagrams based on graph transformation. In Michael Butler and Kaisa Sere, editors, *3rd Int. Conf. Integrated Formal Methods (IFM'02)*. Springer, 2002.
- [KH99] Stuart Kent and John Howse. Mixing visual and textual constraint languages. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 384–398. Springer, 1999.
- [KH02] Stuart Kent and John Howse. Constraint trees. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 228–249. Springer, 2002.
- [KHH⁺97] Stuart Kent, Ali Hamie, John Howse, Franco Civello, and Richard Mitchell. Semantics through pictures: Towards a diagrammatic semantics for OO modeling notations. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 91–100. Technische Universität München, TUM-19725, 1997.
- [Kiv98] Kari Kivistö. Considerations of and suggestions for a UML-specific process model. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 261–271, 1998.
- [Kiv99] Kari Kivistö. Considerations of and suggestions for a UML-specific process model. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 294–306. Springer, 1999.
- [KJK98] Dong Kwan Kim, Hyo Taeg Jung, and Chae Kyu Kim. Techniques for systematically generating framework diagram based on UML. In *Proceedings 5th Asia Pacific Software Engineering Conference (APSEC '98), December 2-4, 1998, Taipei, Taiwan*. IEEE Computer Society, 1998.

- [KK98] Axel Korthaus and Stefan Kuhlins. BOOSTER*process - a software development process model integrating business object technology and UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 205–214, 1998.
- [KK99] Axel Korthaus and Stefan Kuhlins. BOOSTER*process: A software development process model integrating business object technology and UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 215–226. Springer, 1999.
- [KKZH04] Alexander Knapp, Nora Koch, Gefei Zhang, and Hanns-Martin Hassler. Modeling business processes in web applications with ArgoUWE. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 69–83. Springer, 2004.
- [KLB⁺97] Stuart Kent, Kevin Lano, Juan Bicarregui, Ali Hamie, and John Howse. Component composition in business and system modeling. In Haim Kilov, Bernhard Rumpe, and Ian Simmonds, editors, *Proceedings OOP-SLA'97 Workshop on Object-oriented Behavioral Semantics*, pages 91–97. Technische Universität München, TUM-I9737, 1997.
- [KM98] Rauli Kaksonen and Petri Mähönen. Object modeling of cryptographic algorithms with UML. In C. Boyd and E. Dawson, editors, *Proceedings Information Security and Privacy, Third Australasian Conference, ACISP'98, Brisbane, Australia, July, 1998*, volume 1438 of *LNCS*, pages 193–204. Springer, 1998.
- [KMP⁺98] Mohamed Mancona Kandé, Shahrzade Mazaher, Ognjen Prnjat, Lionel Sacks, and Marcus Wittig. Applying UML to design an inter-domain service management application - a case study based on the ACTS project TRUMPET. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 173–182, 1998.
- [KMP⁺99] Mohamed Mancona Kandé, Shahrzade Mazaher, Ognjen Prnjat, Lionel Sacks, and Marcus Wittig. Applying UML to design an inter-domain service management application. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 200–214. Springer, 1999.

- [KMPRS98] Nasser Kettani, Dominique Mignet, Pascal Pare, and Camille Rosenthal-Sabroux. *De Merise a UML*. Eyrolles, 1998.
- [KN99] Laila Kabous and Wolfgang Nebel. Modeling hard real time systems with UML. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of LNCS, pages 339–355. Springer, 1999.
- [Kna99] Alexander Knapp. A formal semantics for UML interactions. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of LNCS, pages 116–130. Springer, 1999.
- [Kna00a] John Knapmann. Business-oriented constraint language. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of LNCS, pages 47–61. Springer, 2000.
- [Kna00b] John Knapmann. Statistical constraints for EAI. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of LNCS, pages 78–92. Springer, 2000.
- [Kna02] John Knapman. Statistical constraints and verification. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 172–189. Springer, 2002.
- [Kob98a] Cris Kobryn. Modeling enterprise software architectures using UML. In Cris Kobryn, editor, *Proceedings of The Second International Enterprise Distributed Object Computing Workshop*. IEEE, 1998.
- [Kob98b] Cris Kobryn, editor. *Proceedings of The Second International Enterprise Distributed Object Computing Workshop*. IEEE, 1998.
- [Kob00] Cris Kobryn. Architectural patterns for metamodeling: A hitchhikers guide to the UML metaverse. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of LNCS, page 497. Springer, 2000.
- [Kor98] Axel Korthaus. Using UML for business object based systems modeling. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 220–237. Physica-Verlag, Heidelberg, 1998.

- [Kos01] Piotr Kosiuczenko. Formal redesign of UML class diagrams. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 174–190. German Informatics Society, 2001.
- [Kov98] Srdjan Kovacevic. UML and user interface modeling. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 235–244, 1998.
- [Kov99] Srdjan Kovacevic. UML and user interface modeling. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 253–266. Springer, 1999.
- [KP00] Ludwik Kuzniarz and Maciej Piasecki. Modelling multimedia presentation in UML. In H. Kangassalo, H. Jaakkola, and E. Kawaguchi, editors, *Proc. 10th European-Japanese Conference on Information Modelling and Knowledge Bases, Saariselkä (Finland), 2000*. IOS Press, Amsterdam, 2000.
- [KPL01] Branko Katalinic, Sabri Pllana, and Berislav Ljoljic. Modeling flexible manufacturing systems with UML. In Branko Katalinic, editor, *Annals of DAAAM International for 2001 & Proceedings of the 12th International DAAAM Symposium, Jena, Germany*. DAAAM International Vienna, 2001.
- [KPP02] Manuel Koch and Francesco Parisi-Presicce. Access control policy specification in OCL. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 63–78. Technische Universität München, Institut für Informatik, 2002.
- [KR97] Haim Kilov and Bernhard Rumpe, editors. *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*. Technische Universität München, TUM-I9725, 1997.
- [KR98] Haim Kilov and Bernhard Rumpe, editors. *Proceedings Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications)*. Technische Universität München, TUM-I9813, 1998.
- [KR01] Frank Keienburg and Andreas Rausch. Using XML/XMI for tool supported evolution of UML models. In Ralph H. Sprague, Jr., editor,

- Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34).* IEEE Computer Society, 2001.
- [Kri00] Padmanabhan Krishnan. Consistency checks for UML. In N.N., editor, *Proceedings of APSEC 2000*. IEEE Computer Society, 2000.
 - [Kro01a] John Krogstie. Rational Unified Process and Unified Modeling Language - A GOMS analysis. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 7, pages 107–115. Idea Publishing Group, 2001.
 - [Kro01b] John Krogstie. Using a semiotic framework to evaluate UML for the development of models of high quality. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 6, pages 89–106. Idea Publishing Group, 2001.
 - [KRS97] Haim Kilov, Bernhard Rumpe, and Ian Simmonds, editors. *Proceedings OOPSLA'97 Workshop on Object-oriented Behavioral Semantics*. Technische Universität München, TUM-I9737, 1997.
 - [KRS99] Haim Kilov, Bernhard Rumpe, and Ian Simmonds, editors. *Behavioral Specifications of Businesses and Systems*, volume 523 of *The Kluwer International Series in Engineering and Computer Science*. Kluwer Academic Publishers, 1999.
 - [KRSH02] Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourouille, and Zbigniew Huzar, editors. *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
 - [KRSW01] Cornel Klein, Andreas Rausch, Marc Sihling, and Zhaojun Wen. Extension of the Unified Modeling Language for mobile agents. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 8, pages 116–128. Idea Publishing Group, 2001.
 - [Krü02] I. H. Krüger. Towards precise service specification with uml and uml-rt. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 19–34. Technische Universität München, Institut für Informatik, 2002.
 - [KS00] Mohamed Mancona Kandé and Alfred Strohmeier. Towards a UML profile for software architecture descriptions. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 513–527. Springer, 2000.

- [KSS⁺02] Ralf Kollmann, Petri Selonen, Eleni Stroulia, Tarja Systä, and Albert Zündorf. A study on the current state of the art in tool-supported UML-based static reverse engineering. In Elizabeth Burd and Arie van Deursen, editors, *Proc. 9th Working Conf. Reverse Engineering (WCER'02)*. IEEE Computer Society, 2002.
- [KSW04] Jochen M. Küster, Shane Sendall, and Michael Wahler. Comparing two model transformation approaches. In Octavian Patrascoiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 114–127. University of Kent, 2004.
- [Kus01] Sabine Kuske. A formal semantics of UML state machines based on structured graph transformation. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 241–256. Springer, 2001.
- [KW00] Anneke Kleppe and Jos Warmer. Extending OCL to include actions. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 440–450. Springer, 2000.
- [KW02a] Anneke Kleppe and Jos Warmer. The semantics of the OCL action clause. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 213–227. Springer, 2002.
- [KW02b] Ralf-Detlef Kutsche and Herbert Weber, editors. *Fundamental Approaches to Software Engineering, 5th International Conference, FASE 2002, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2002, Grenoble, France, April 8-12, 2002, Proceedings*, volume 2306 of *LNCS*. Springer, 2002.
- [KWC98] Anneke Kleppe, Jos Warmer, and Steve Cook. Informal formality? the Object Constraint Language and its application in the UML metamodel. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 127–136, 1998.
- [KWC99] Anneke Kleppe, Jos Warmer, and Steve Cook. Informal formality? the Object Constraint Language and its application in the UML metamodel. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 148–161. Springer, 1999.

- [Kwo00] Gihwon Kwon. Rewrite rules and operational semantics for model checking UML statecharts. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 528–540. Springer, 2000.
- [LA98] Peter Loos and Thomas Allweyer. Object orientation in business process reengineering through applying event driven process chains (EPC) in UML. In Cris Kobryn, editor, *Proceedings of The Second International Enterprise Distributed Object Computing Workshop*. IEEE, 1998.
- [Lag01] Patricia Lago. Rendering distributed systems in UML. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 9, pages 129–150. Idea Publishing Group, 2001.
- [Lan98] Kevin Lano. Defining semantics for rigorous development in UML. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Lar97] Craig Larman. *Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design*. Prentice Hall, 1997.
- [LB98a] Kevin Lano and Juan Bicarregui. Formalising the UML in structured temporal theories. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications)*, pages 105–121. Technische Universität München, TUM-I9813, 1998.
- [LB98b] Kevin Lano and Juan Bicarregui. Semantics and transformations for UML models. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 97–106, 1998.
- [LB99] Kevin Lano and Juan Bicarregui. Semantics and transformations for UML models. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 107–119. Springer, 1999.
- [LBD02] Torsten Lodderstedt, David A. Basin, and Jürgen Doser. SecureUML: A UML-based modeling language for model-driven security. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 426–441. Springer, 2002.

- [LCA02] Kevin Lano, D. Clark, and K. Androutsopoulos. Formalising inter-model consistency of the UML. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 133–148. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [LDSM01] Jing Liu, Jin Song Dong, Kun Shi, and Brendan Mahony. Linking UML with integrated formal techniques. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 13, pages 210–223. Idea Publishing Group, 2001.
- [LEM02] WenQian Liu, Steve Easterbrook, and John Mylopoulos. Rule based detection of inconsistency in UML models. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 106–123. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [LFO⁺00] Kung-Kiu Lau, Juliana Küster Filipe, M. Ornaghi, K. Taguchi, H. Yatsu, and Alan Cameron Wills. Formal specification of Catalysis frameworks. In N.N., editor, *Proceedings of APSEC 2000*. IEEE Computer Society, 2000.
- [LG04] Arne Lindow and Martin Gogolla. Eine multimediale erweiterung eines UML-tools für lehrzwecke. In Gregor Engels and Silke Seehusen, editors, *DeLF1 2004, Tagungsband der 2. e-Learning Fachtagung Informatik, 6.-8. September 2004, Paderborn, Germany*, volume P-52 of *LNI*, pages 393–394. German Informatics Society, 2004.
- [LGT98] Agnès Lanusse, Sébastien Gérard, and François Terrier. Real-time modeling with UML: The ACCORD approach. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 287–296, 1998.
- [LGT99] Agnès Lanusse, Sébastien Gérard, and François Terrier. Real-time modeling with UML: The ACCORD approach. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 319–335. Springer, 1999.

- [LHL01] Z. Liu, J. He, and X. Li. Toward a formal use of UML for software requirement analysis. In Hamid Arabnia, editor, *The Proceedings of PDPTA'2001 International Conference*, pages 27–33, Las Vegas, USA, June 2001. CSREA. Proceedings of the 2002 ACM Symposium of Applied Computing.
- [LHLC03] Z. Liu, J. He, X. Li, and Y. Chen. A relational model for formal object-oriented requirement analysis in UML. In J. S. Dong and J. Woodcock, editors, *Formal Methods and Software Engineering, 5th International Conference on Formal Engineering Methods(ICFEM2003)*, volume 2885 of *LNCS*, pages 640–664, Singapore, November 2003. Springer.
- [LHLL03] Z. Liu, J. He, X. Li, and Y. Liu. Unifying views of UML. In *Proc. of UML 2003 Workshop on Compositional Verification of UML*, 2003. Report No. 288 of UNU/IIST, P.O. Box 3058, Macao.
- [Lib98a] Jesse Liberty. *Beginning Object-Oriented Analysis & Design with C++*. Wrox Press, 1998.
- [Lib98b] Jesse Liberty. *Clouds to Code*. Wrox Press, 1998.
- [Lin99] Peter F. Linington. Options for expressing ODP enterprise communities and their policies by using UML. In Colin Atkinson, editor, *Proc. of The 3rd International Conference on Enterprise Distributed Object Computing*. IEEE, 1999.
- [LK01a] Elizabeth Latronico and Philip Koopman. Representing embedded system sequence diagrams as a formal language. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 302–316. Springer, 2001.
- [LK01b] Marc Lettrari and Jochen Klose. Scenario-based monitoring and testing of real-time UML models. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 317–328. Springer, 2001.
- [LL99] Xuandong Li and Johan Lilius. Timing analysis of UML sequence diagrams. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 661–674. Springer, 1999.
- [LL00] Xuandong Li and Johan Lilius. Checking compositions of UML sequence diagrams for timing inconsistency. In N.N., editor, *Proceedings of APSEC 2000*. IEEE Computer Society, 2000.

- [LL02] Timothy Lethbridge and Robert Laganiere. *Object-Oriented Software Engineering: Practical Software Development using UML and Java*. McGraw-Hill, 2002.
- [LLG01] X. Li, Z. Liu, and Z. Guo. Formal object-oriented analysis and design of an online ticketing system. In *The proceedings of the 8th Asia-Pacific Software Engineering Conference (APSEC2001)*, pages 259–266, Macau, P.R. China, December 2001. IEEE Computer Society.
- [LLH01] X. Li, Z. Liu, and J. He. Formal and use-case driven requirement analysis in UML. In *The proceedings of the 25th Annual International Computer Software and Applications Conference (COMPSAC2001)*, pages 215–224, Illinois, USA, October 2001. IEEE Computer Society.
- [LLH03] Z. Liu, X. Li, and J. He. Using transition systems to unify UML models. In Chris George, editor, *The Proceedings of 4th International Conference on Formal Engineering Methods (ICFEM2002)*, volume 2495 of LNCS, pages 535–547, Shanghai, China, October 2003. Springer.
- [LLH04] X. Li, Z. Liu, and J. He. A formal semantics of UML sequence diagrams. In *Proc. of Australian Software Engineering Conference (ASWEC'2004), 13-16 April 2004*, Melbourne, Australia, 2004. IEEE Computer Society.
- [LLHL04] J. Liu, Z. Liu, J. He, and X. Li. Linking UML models of design and requirement. In *Proc. of Australian Software Engineering Conference (ASWEC'2004), 13-16 April 2004*, Melbourne, Australia, 2004. IEEE Computer Society.
- [LLK⁺02] W. Längst, A. Lapp, K. Knorr, H.-P. Schneider, J. Schirmer, D. Kraft, and W. Kiencke. CARTRONIC-UML models: Basis for partially automated risk analysis in early development phases. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 3–18. Technische Universität München, Institut für Informatik, 2002.
- [LLS00] Alberto H. F. Laender, Stephen W. Liddle, and Veda C. Storey, editors. *Conceptual Modeling - ER 2000, 19th International Conference on Conceptual Modeling, Salt Lake City, Utah, USA, October 9-12, 2000, Proceedings*, volume 1920 of LNCS. Springer, 2000.
- [LMM99a] Diego Latella, Istvan Majzik, and Mieke Massink. Automatic verification of a behavioural subset of UML statechart diagrams using the SPIN model-checker. *Formal Aspects of Computing*, 11(6):637–664, 1999.
- [LMM99b] Diego Latella, Istvan Majzik, and Mieke Massink. Towards a formal operational semantics of UML statechart diagrams. In *Proc. FMOODS'99, IFIP TC6/WG6.1 Third International Conference on Formal Methods*

for Open Object-Based Distributed Systems, Florence, Italy, February 15-18, 1999. Kluwer, 1999.

- [LMTS02] Sergio Luján-Mora, Juan Carlos Trujillo, and Il-Yeol Song. Extending the UML for multidimensional modeling. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 290–304. Springer, 2002.
- [LP99] Johan Lilius and Ivan Porres Paltor. Formalising UML state machines for model checking. In Robert France and Bernhard Rümpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 430–445. Springer, 1999.
- [LP01] Regine Laleau and Fiona Polack. A rigorous metamodel for UML static conceptual modelling of information systems. In *Advanced Information Systems Engineering. 13th International Conference, CAiSE 2001, Interlaken, Switzerland, June 4-8, 2001, Proceedings*, volume 2068 of *LNCS*, pages 402–416. Springer, 2001.
- [LSPM02] Jean M. Lions, Didier Simoneau, Gilles Pitette, and Imed Moussa. Extending OpenTool/UML using metamodeling: An aspect oriented programming case study. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [LSS03] Marc Lohmann, Stefan Sauer, and Tim Schattkowsky. ProGUM-Web: Tool support for model-based development of web applications. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 101–105. Springer, 2003.
- [LT97] Robert C. Lee and William M. Tepfenhart. *UML and C++: A Practical Guide to Object-Oriented Development*. Prentice Hall, 1997.
- [LWB98] N. G. Lester, F. G. Wilkie, and D. W. Bustard. Using UML to categorise and specify criteria for reusable artefacts. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 351–358, 1998.
- [LWB99] N. G. Lester, F. G. Wilkie, and D. W. Bustard. Applying UML extensions to facilitate software reuse. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the*

- Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 393–405. Springer, 1999.
- [Mac00] Leszek Maciaszek. UML dialect for designing object-relational databases. In Mehdi Khosrowpour, editor, *Challenges of Information Technology Management in the 21st Century*, 2000. (Proc. International Resource Management Association Conference IRMA'2000, Anchorage, Alaska, Mai 2000).
- [Mar99] H. Martin. Using test hypotheses to build a UML model of object-oriented smart card applications. In TBA, editor, *Proceedings of IC-SSEA'99*. TBA, 1999.
- [Mar04] Slavisa Markovic. Composition of UML described refactoring rules. In Octavian Patrascioiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 45–59. University of Kent, 2004.
- [MBS04] Pierre-Alain Muller, Didier Bresch, and Philippe Studer. Model-driven architecture for automatic-control an experience report. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 260–274. Springer, 2004.
- [MC99a] Luis Mandel and María Victoria Cengarle. On the expressive power of OCL. In *FM'99 - Formal Methods. World Congress on Formal Methods in the Development of Computing Systems, Toulouse, France, September 1999. Proceedings, Volume I*, volume 1708 of *LNCS*, pages 854–874. Springer, 1999.
- [MC99b] Luis Mandel and María Victoria Cengarle. On the expressive power of the Object Constraint Language OCL. Technical report, Forschungsinstitut für angewandte Software-Technologie (FAST e.V.), 1999.
- [MC99c] W. E. McUmber and Betty H. C. Cheng. UML-based analysis of embedded systems using a mapping to VHDL. In Raymond Paul and Catherine Meadows, editors, *Proc. of the Fourth IEEE International Symposium on High Assurance Systems Engineering*. IEEE, 1999.
- [MC00] Raffaela Mirandola and Vittorio Cortellessa. UML based performance modeling of distributed systems. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 178–193. Springer, 2000.
- [MC01] William E. McUmber and Betty H. C. Cheng. A general framework for formalizing UML with formal languages. In *Proceedings of IEEE International Conference on Software Engineering (ICSE01)*, May 2001.

- [McL98] Graham McLeod. Extending UML for enterprise and business process modeling. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 195–204, 1998.
- [MD00] Tom Mens and T. D'Hondt. Automating support for software evolution in UML. *Automated Software Engineering Journal*, 7(1):39–59, February 2000.
- [ME98] Gunter Müller-Ettrich. System development with V-Model and UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 238–249. Physica-Verlag, Heidelberg, 1998.
- [Mel03] Stephen J. Mellor. A framework for aspect-oriented modeling. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [Mer02] S. Merz. From diagrams to semantics – and back. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, page 1. Technische Universität München, Institut für Informatik, 2002.
- [Min99] Christine Mingins, editor. *Proceedings of TOOLS Pacific 1999*. IEEE Computer Society, 1999.
- [MK02] Mari Matinlassi and Jarmo Kalaoja. Requirements for service architecture modeling. In Jean Bezin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [MKC01] John Mylopoulos, Manuel Kolp, and Jaelson Castro. UML for agent-oriented software development: The tropos proposal. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 422–441. Springer, 2001.
- [ML02a] R. Marcano and N. Levy. Transformation rules of OCL constraints into B formal expressions. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 155–162. Technische Universität München, Institut für Informatik, 2002.
- [ML02b] R. Marcano and N. Levy. Using B formal specifications for analysis and verification of UML/OCL models. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute*

of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials, pages 91–105. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.

- [MLS98] Tom Mens, Carine Lucas, and Patrick Steyart. Supporting reuse and evolution of UML models. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 341–350, 1998.
- [MLS99] Tom Mens, Carine Lucas, and Patrick Steyart. Supporting disciplined reuse and evolution of UML models. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 378–392. Springer, 1999.
- [MO97] James Martin and James J. Odell. *Object-Oriented Methods: A Foundation, UML Edition*. Prentice Hall, 1997.
- [MOM⁺01] Jesús García Molina, M. José Ortín, Begoña Moros, Joaquín Nicolás, and Ambrosio Toval. Transforming the Oram three-model architecture into a UML-based process. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [Mor98] Bernard Morand. Does modeling consist in turning informal into formal? In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 25–32, 1998.
- [Mor99] Bernard Morand. Modeling: Is it turning informal into formal? In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 37–48. Springer, 1999.
- [Mor02] Bernard Morand. Models transformation: From mapping to mediation. In Jean Bezin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [MOW01] Pierre Metz, John O'Brian, and Wolfgang Weber. Against use case interleaving. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 472–486. Springer, 2001.

- [MP00] Renate Motschnig-Pitrik. The viewpoint abstraction in object-oriented modeling and the UML. In Alberto H. F. Laender, Stephen W. Liddle, and Veda C. Storey, editors, *Conceptual Modeling - ER 2000, 19th International Conference on Conceptual Modeling, Salt Lake City, Utah, USA, October 9-12, 2000, Proceedings*, volume 1920 of *LNCS*, pages 543–557. Springer, 2000.
- [MP01] Wai Yin Mok and David P. Paper. On transformations from UML models to object-relational databases. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [MS98] F. Matejka and A. Schwald. Formalisierung und visuelle modellierung am beispiel der UML-statecharts. In *Proc. Informatik'98, 28. Jahrestagung der Gesellschaft für Informatik, 21. - 25. September 1998, Magdeburg*. Springer, 1998.
- [MS01] Stephen Morris and George Spanoudakis. UML: An evaluation of the visual syntax of the language. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [MSB03] Pierre-Alain Muller, Philippe Studer, and Jean Bézivin. Platform independent web applikation modeling. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 220–233. Springer, 2003.
- [MSL98] Tom Mens, Patrick Steyart, and Carine Lucas. Giving precise semantics to reuse and evolution in UML. In Manfred Broy, Derek Coleman, Tom S. E. Maibaum, and Bernhard Rumpe, editors, *Proceedings PSMT'98 Workshop on Precise Semantics for Modeling Techniques*. Technische Universität München, TUM-I9803, 1998.
- [MSN00] Masaaki Mizuno, Gurdip Singh, and Mitchell Neilsen. A structured approach to develop concurrent programs in UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 451–465. Springer, 2000.
- [MSZ⁺04] Haohai Ma, Weizhong Shao, Lu Zhang, Zhiyi Ma, and Yanbing Jiang. Applying OO metrics to assess UML meta-models. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 12–26. Springer, 2004.

- [MTAL98] Stephen J. Mellor, Steve Tockey, Rodolphe Arthaud, and Philippe LeBlanc. Software-platform-independent, precise action specifications for UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 281–286, 1998.
- [MTAL99] Stephen J. Mellor, Stephen R. Tockey, Rodolphe Arthaud, and Philippe LeBlanc. An action language for UML: Proposal for a precise execution semantics. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 307–318. Springer, 1999.
- [Mul97] Pierre-Alain Muller. *Instant UML*. Wrox Press, 1997.
- [Mul99] Pierre-Alain Muller. The birth and rise of a standard modeling notation. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 1–8. Springer, 1999.
- [Mut98] Darmalingum Muthiyen. Formalizing UML for rigorous software development. In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [Mut00] Darmalingum Muthiyen. *Real-Time Reactive System Development - A Formal Approach Based on UML and PVS*. PhD thesis, Department of Computer Science at Concordia University, Montreal, Canada, January 2000.
- [MVC01] E. Marcos, B. Vela, and J. M. Cavero. Extending UML for object-relational database design. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 225–239. Springer, 2001.
- [MW00] Katharina Mehner and Annika Wagner. Visualisierung der Synchronisation von Java-threads mit UML. In Jürgen Ebert and Ulrich Frank, editors, *Modelle und Modellierungssprachen in Informatik und Wirtschaftsinformatik. Beiträge des Workshops "Modellierung 2000", St. Goar, 5. - 7. April 2000.*, Koblenzer Schriften zur Informatik, Band 15. Koblenz: Fölbach, 2000.
- [MWB99] Joaquin Miller and Rebecca Wirfs-Brock. How can anything be both a classifier and a package? In Robert France and Bernhard Rumpe,

- editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 584–597. Springer, 1999.
- [NeC00] Nuno Jardim Nunes and João Falcão e Cunha. Towards a UML profile for interaction design: the wisdom approach. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 101–116. Springer, 2000.
- [NFZ98] Markus Nüttgens, Thomas Feld, and V. Zimmermann. Business process modeling with EPC and UML: Transformation or integration? In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 250–261. Physica-Verlag, Heidelberg, 1998.
- [NJ03] Jan Pettersen Nytun and Christian S. Jensen. Modeling and testing legacy data consistency requirements. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 341–355. Springer, 2003.
- [N.N00] N.N., editor. *Proceedings of APSEC 2000*. IEEE Computer Society, 2000.
- [NS99] Jörg Noack and Bruno Schienmann. Objektorientierte vorgehensmodelle im vergleich. *Informatik-Spektrum*, 22(3):166–180, 1999.
- [Nun03] Isabel Nunes. An OCL extension for low-coupling preserving contracts. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 310–324. Springer, 2003.
- [NW02] Andrey Naumenko and Alain Wegmann. A metamodel for the unified modeling language. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 2–17. Springer, 2002.
- [OA99] Jeff Offutt and Aynur Abdurazik. Generating tests from UML specifications. In Robert France and Bernhard Rümpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 416–429. Springer, 1999.

- [OB98] Jon Oldevik and Arne J. Berre. UML-based methodology for distributed systems. In Cris Kobryn, editor, *Proceedings of The Second International Enterprise Distributed Object Computing Workshop*. IEEE, 1998.
- [Oes97] Bernd Oestereich. *Objektorientierte Softwareentwicklung mit der Unified Modeling Language*. Oldenbourg, 1997.
- [OK99] Ian Oliver and Stuart Kent. Validation of object-oriented models using animation. In *Proceedings of EuroMicro'99, Milan, Italy*, September 1999.
- [Oli99] Ian Oliver. 'Executing' the OCL. In Awais Rashid, David Parsons, and Alexandru Telea, editors, *Proceedings of the ECOOP'99 Workshop for PhD Students in OO Systems (PhDOOS '99)*, 1999.
- [ÖP98] Gunnar Övergaard and Karin Palmkvist. A formal approach to use cases and their relationships. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 309–317, 1998.
- [ÖP99] Gunnar Övergaard and Karin Palmkvist. A formal approach to use cases and their relationships. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 406–418. Springer, 1999.
- [ÖP00] Gunnar Övergaard and Karin Palmkvist. Interacting subsystems in UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 359–368. Springer, 2000.
- [OS98] Antoni Olivé and Maria-Ribera Sancho. Porting ROSES to UML - an experience report. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 55–64, 1998.
- [OS99a] Julian Ober and Ileana Stan. On the concurrent object model of UML. In P. Amestoy, P. Berger, M. Daydé, I. Duff, V. Frayssé, L. Giraud, and D. Ruiz, editors, *Proceedings Euro-Par'99 - Parallel Processing, 5th International Euro-Par Conference, Toulouse, France, August/September 1999*, volume 1685 of *LNCS*, pages 1377–1384. Springer, 1999.
- [OS99b] Antoni Olivé and Maria-Ribera Sancho. Porting ROSES to UML - an experience report. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 64–77. Springer, 1999.

- [Ou98a] Yongzhen Ou. On mapping between UML and entity-relationship model. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 45–57. Physica-Verlag, Heidelberg, 1998.
- [Ou98b] Yongzhen Ou. On using UML class diagram for object-oriented database design - specification of integrity constraints. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 147–156, 1998.
- [Ou99] Yongzhen Ou. On using UML class diagram for object-oriented database design – specification of integrity constraints. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 173–188. Springer, 1999.
- [Öve98] Gunnar Övergaard. A formal approach to relationships in the Unified Modeling Language. In Manfred Broy, Derek Coleman, Tom S. E. Maibaum, and Bernhard Rumpe, editors, *Proceedings PSMT'98 Workshop on Precise Semantics for Modeling Techniques*. Technische Universität München, TUM-I9803, 1998.
- [Öve99] Gunnar Övergaard. A formal approach to collaborations in the unified modeling language. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30, 1999, Proceedings*, volume 1723 of *LNCS*, pages 99–115. Springer, 1999.
- [Öve00] Gunnar Övergaard. Formal specification of object-oriented metamodeling. In Tom Maibaum, editor, *Proc. Fundamental Approaches to Software Engineering (FASE 2000), Berlin, Germany*, volume 1783 of *LNCS*. Springer, 2000.
- [Pad00] Peter Padawitz. Swinging UML: How to make class diagrams and state machines amenable to constraint solving and proving. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 162–177. Springer, 2000.
- [Pae98] Barbara Paech. On the role of activity diagrams in UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 245–250, 1998.

- [Pae99] Barbara Paech. On the role of activity diagrams in UML: A user task centered development process for UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 267–277. Springer, 1999.
- [PAGF03] Orest Pilskalns, Anneliese Andrews, Sudipto Ghosh, and Robert France. Rigorous testing by merging structural and behavioral UML representations. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 234–248. Springer, 2003.
- [Pat02] A. Pataricza. From the general ressource model to a general fault modeling paradigm ? In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 163–170. Technische Universität München, Institut für Informatik, 2002.
- [Pat04] Octavian Patrascou, editor. *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*. University of Kent, 2004.
- [Paz00] Luca Pazzi. Part-whole statecharts for the explicit representation of compound behaviors. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 541–555. Springer, 2000.
- [PBF98] Claudia Pons, Gabriel Baum, and Miguel Felder. Integrating object-oriented model with object-oriented metamodel into a single formalism. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications)*, pages 155–167. Technische Universität München, TUM-I9813, 1998.
- [PBR01] Sandeep Purao, Ashley Bush, and Matti Rossi. Problem and design spaces during object-oriented design: An exploratory study. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [Pet02] L. Petre. Control systems development: A case study. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 171–180. Technische Universität München, Institut für Informatik, 2002.

- [PF02] Sabri Pllana and Thomas Fahringer. On customizing the UML for modeling performance-oriented applications. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 259–274. Springer, 2002.
- [PH03] Jörg Pleumann and Stefan Haustein. A model-driven runtime environment for web applications. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 190–204. Springer, 2003.
- [PHK⁺99] Gerhard Popp, Franz Huber, Ingolf Krüger, Bernhard Rumpe, and Wolfgang Schwerin. Internet-Buchhandel – Eine Fallstudie für die Anwendung von Softwareentwicklungstechniken mit der UML. Technical Report TUM-I9915, Technische Universität München, September 1999.
- [PJH⁺01] Simon Pickin, Claude Jard, Thierry Heuillard, Jean-Marc Jézéquel, and Philippe Desfray. A UML-integrated test description language for component testing. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 208–223. German Informatics Society, 2001.
- [PKS98] Patrick Pagé, Rudolf K. Keller, and Reinhard Schauer. A JavaCC parser for the UML-based CDIF transfer format. In *Proc. OOPSLA'98 Workshop on Model Engineering, Methods and Tools Integration with CDIF*, 1998.
- [PL99] Ivan Porres Palter and Johan Lilius. vUML: A tool for verifying UML models. In Robert J. Hall and Ernst Tyugu, editors, *Proc. of the 14th IEEE International Conference on Automated Software Engineering, ASE'99*. IEEE, 1999.
- [Ple04] Jörg Pleumann. Erfahrungen mit dem multimedialen, didaktischen modellierungswerkzeug DAVE. In Gregor Engels and Silke Seehusen, editors, *DeLF1 2004, Tagungsband der 2. e-Learning Fachtagung Informatik, 6.-8. September 2004, Paderborn, Germany*, volume P-52 of *LNI*, pages 55–66. German Informatics Society, 2004.
- [PM99] Raymond Paul and Catherine Meadows, editors. *Proc. of the Fourth IEEE International Symposium on High Assurance Systems Engineering*. IEEE, 1999.

- [PM00] Simon Pickin and Angeles Manjarrés. Describing ai analysis patterns with UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 466–481. Springer, 2000.
- [PO99a] Richard F. Paige and Jonathan S. Ostroff. A comparison of the business object notation and the unified modelling language. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 67–82. Springer, 1999.
- [PO99b] Richard F. Paige and Jonathan S. Ostroff. Developing BON as an industrial-strength formal method. In *FM'99 - Formal Methods. World Congress on Formal Methods in the Development of Computing Systems, Toulouse, France, September 1999. Proceedings, Volume I*, volume 1708 of *LNCS*, pages 834–853. Springer, 1999.
- [PO01] Richard Paige and Jonathan Ostroff. A proposal for a lightweight rigorous UML-based development method for reliable systems. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 192–206. German Informatics Society, 2001.
- [Por03] Ivan Porres. Model refactorings as rule-based update transformations. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 159–174. Springer, 2003.
- [PR04] Octavian Patrascioiu and Peter Rodgers. Embedding OCL expressions in YATL. In Octavian Patrascioiu, editor, *OCL and Model Driven Engineering, UML 2004 Conference Workshop, October 12, 2004, Lisbon, Portugal*, pages 60–68. University of Kent, 2004.
- [Pra98] Michael Prasse. Evaluation of object-oriented modelling languages: A comparison between OML and UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 58–75. Physica-Verlag, Heidelberg, 1998.
- [PRB00] M. J. Presso, G. Raymond, and M. Belaunde. PILOTE: A tool suite to support UML-based engineering processes. In TBA, editor, *Proc. of The 4th International Enterprise Distributed Object Computing Conference*. IEEE, 2000.

- [PRB03] Ilka Philippow, Matthias Riebisch, and Kai Boellert. The hyper/UML approach for feature based software design. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [Pre02] Christian Prehofer. Feature interactions in statechart diagrams or graphical composition of components. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [PRS98] Rosanne Price, Kotagiri Ramamohanarao, and Bala Srinivasan. Spatiotemporal extensions to unified modeling language. In Stefano Spaccapietra, editor, *Proc. DEXA'99 Workshop on Spatio-Temporal Data Models and Languages (STDML)*, 1998.
- [PS98] C. Pronk and M. Schönhacker. Constructing formal language definitions, can we manage? what can we learn from modula-2 standardization? *Computer Standards & Interfaces*, 19(2):143–154, March 1998.
- [PS00] Dorina C. Petriu and Yimei Sun. Consistent behaviour representation in activity and sequence diagrams. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 359–368. Springer, 2000.
- [PS04] Risto Pitkänen and Petri Selonen. A UML profile for executable and incremental specification-level modeling. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 158–172. Springer, 2004.
- [PSR99] Rosanne Price, Bala Srinivasan, and Kotagiri Ramamohanarao. Extending the unified modeling language to support spatiotemporal applications. In Christine Mingins, editor, *Proceedings of TOOLS Pacific 1999*. IEEE Computer Society, 1999.
- [PW00] Dorina C. Petriu and X. Wang. From UML description of high-level software architecture to LQN performance models. In M. Nagl, A. Schürr, and M. Münch, editors, *Proc. Applications of Graph Transformations with Industrial Relevance, International Workshop, AGTIVE'99 Kerkrade, The Netherlands, September, 1999*, volume 1779 of *LNCS*. Springer, 2000.
- [PW04] Dorin B. Petriu and Murray Woodside. A metamodel for generating performance models from UML designs. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications*.

7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings, volume 3273 of *LNCS*, pages 41–53. Springer, 2004.

- [Qua98] Terry Quatrani. *Visual Modeling with Rational Rose and UML*. Addison-Wesley, 1998.
- [RACH00] Gianna Reggio, Egidio Astesiano, Christine Choppy, and Heinrich Hussmann. Analysing UML active classes and associated state machines – A lightweight formal approach. In Tom Maibaum, editor, *Proc. Fundamental Approaches to Software Engineering (FASE 2000), Berlin, Germany*, volume 1783 of *LNCS*. Springer, 2000.
- [RBS04] Iris Reinhartz-Berger and Arnon Sturm. Behavioral domain analysis – the application-based domain modeling approach. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 410–424. Springer, 2004.
- [RCA01] Gianna Reggio, Maura Cerioli, and Egidio Astesiano. Towards a rigorous semantics of UML supporting its multiview approach. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 171–186. Springer, 2001.
- [RF01] Josep M. Ribo and Xavier Franch. Building expressive and flexible process models using a UML-based approach. In V. Ambriola, editor, *8th European Workshop, EWSPT 2001, Witten, Germany, June, 19-21, 2001, Proceedings*, volume 2077 of *LNCS*, pages 152–172. Springer, 2001.
- [RG98] Mark Richters and Martin Gogolla. On formalizing the UML Object Constraint Language OCL. In Tok Wang Ling, Sudha Ram, and Mong Li Lee, editors, *Proc. 17th Int. Conf. Conceptual Modeling (ER'98)*, volume 1507 of *LNCS*, pages 449–464. Springer, 1998.
- [RG99a] Mark Richters and Martin Gogolla. A metamodel for OCL. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 156–171. Springer, 1999.
- [RG99b] Mark Richters and Martin Gogolla. On the need for a precise OCL semantics. In Robert France, Bernhard Rumpe, Brian Henderson-Sellers, Jean-Michel Bruel, and Ana Moreira, editors, *Proc. OOPSLA Workshop*

“Rigorous Modeling and Analysis with the UML: Challenges and Limitations”. Colorado State University, Fort Collins, Colorado, 1999.

- [RG00a] Oliver Radfelder and Martin Gogolla. On better understanding UML diagrams through interactive three-dimensional visualization and animation. In Vito Di Gesu, Stefano Levialdi, and Laura Tarantino, editors, *Proc. Advanced Visual Interfaces (AVI'2000)*, pages 292–295. ACM Press, New York, 2000.
- [RG00b] Mark Richters and Martin Gogolla. Validating UML models and OCL constraints. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 265–277. Springer, 2000.
- [RG00c] Mark Richters and Martin Gogolla. Validierung von UML-modellen und OCL-bedingungen. In Martin Wirsing, Martin Gogolla, Hans-Jörg Kreowski, Tobias Nipkow, and Wolfgang Reif, editors, *Proc. GI'2000 Workshop Rigorose Entwicklung software-intensiver Systeme*, pages 21–32. LMU München, Informatik-Bericht Nr. 0005, 2000.
- [RG02] Mark Richters and Martin Gogolla. OCL: Syntax, semantics, and tools. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 42–68. Springer, 2002.
- [RG03] Mark Richters and Martin Gogolla. Aspect-oriented monitoring of UML and OCL constraints. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [RGG01] Frank Roessler, Birgit Geppert, and Reinhard Gotzhein. Collaboration-based design of SDL systems. In *SDL 2001: Meeting UML. 10th International SDL Forum Copenhagen, Denmark, June 27-29, 2001, Proceedings*, volume 2078 of *LNCS*, pages 72–89. Springer, 2001.
- [Ric02] Mark Richters. *A Precise Approach to Validating UML Models and OCL Constraints*. PhD thesis, Universität Bremen, Logos Verlag, Berlin, BISS Monographs, No. 14, 2002.
- [RJB98] Jim Rumbaugh, Ivar Jacobson, and Grady Booch. *The Unified Modeling Language Reference Manual*. Addison-Wesley, 1998.
- [RK99] Ferenc Dosa Racz and Kai Koskimies. Tool-supported compressing of UML class diagrams. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 172–187. Springer, 1999.

- [RK02] Ella Roubtsova and Ruurd Kuiper. Process semantics for uml component specifications to assess inheritance. In Paolo Bottoni and Mark Minas, editors, *GT-VMT'2002 Graph Transformation and Visual Modeling Techniques, Barcelona, Spain, 11-12 October 2002*, volume 72(3) of *ENTCS*. Elsevier, 2002.
- [RM99] Sita Ramakrishnan and John McGregor. Extending OCL to support temporal operators. In *Proceedings of the 21st International Conference on Software Engineering (ICSE99) Workshop on Testing Distributed Component-Based Systems, LA, May 16 - 22, 1999*, 1999.
- [RMRR97] Jason E. Robbins, Nenad Medvidovic, David F. Redmiles, and David S. Rosenblum. Integrating architecture description languages with a standard design method. Technical Report ICS-TR-97-35, University of California, Irvine, Department of Information and Computer Science, August 1997.
- [Rou03] Nicolas F. Rouquette. UML/MDA reality check: Heterogenous architecture style. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, page 143. Springer, 2003.
- [RRH03] Andreas Rausch, Bernhard Rumpe, and Lucien Hoogendoorn. Aspect-oriented framework modeling. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [RS00] N. Ritter and H.-P. Steiert. Enforcing modeling guidelines in an ORDBMS-based UML-repository. In Mehdi Khosrowpour, editor, *Challenges of Information Technology Management in the 21st Century*, 2000. (Proc. International Resource Management Association Conference IRMA'2000, Anchorage, Alaska, Mai 2000).
- [RSRS99] Bernhard Rumpe, M. Schoenmakers, A. Radermacher, and Andy Schürr. UML + ROOM as a standard ADL? In *Proc. ICECCS'99 Fifth IEEE International Conference on Engineering of Complex Computer Systems*, 1999.
- [Rum98] Bernhard Rumpe. A note on semantics (with an emphasis on UML). In Haim Kilov and Bernhard Rumpe, editors, *Proceedings Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications)*, pages 177–197. Technische Universität München, TUM-I9813, 1998.

- [Rum01] Jim Rumbaugh. The preacher at arrakeen. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, page 1. Springer, 2001.
- [Rum02] Bernhard Rumpe. «Java»OCL based on new presentation of the OCL-syntax. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 189–212. Springer, 2002.
- [RvGKJ01] Ella Roubtsova, L. C. M. van Gool, R. Kuiper, and H. B. M. Jonkers. A specification model for interface suites. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 457–471. Springer, 2001.
- [RW02] Holger Rasch and Heike Wehrheim. Consistency between UML classes and associated state machines. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 46–60. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [RWH01] Bernhard Reus, Martin Wirsing, and Rolf Hennicker. A hoare calculus for verifying java realizations of OCL-constrained design models. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of *LNCS*, pages 300–317. Springer, 2001.
- [RZ04] Simone Röttger and Steffen Zschaler. Model-driven development for non-functional properties: Refinement through model transformation. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 275–289. Springer, 2004.
- [SA02] Frédéric Seyler and Philippe Aniorte. A component meta model for reused-based system engineering. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.

- [SA03] Subash Shankar and Sinan Asa. Formal semantics of UML with real-time constructs. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 60–75. Springer, 2003.
- [SC01] K. Siau and Q. Cao. Unified modeling language: A complexity analysis. *Journal of Database Management*, 12(1):26–34, 2001.
- [SC02] Jean Louis Sourrouille and Guy Caplat. Checking UML model consistency. In Ludwik Kuzniarz, Gianna Reggio, Jean Louis Sourrouille, and Zbigniew Huzar, editors, *Blekinge Institute of Technology, Research Report 2002:06. UML 2002, Model Engineering, Concepts and Tools. Workshop on Consistency Problems in UML-based Software Development. Workshop Materials*, pages 1–15. Department of Software Engineering and Computer Science, Blekinge Institute of Technology, 2002.
- [Sch99] E. Schnieder, editor. *Proceedings of The 6th Symposium on Development and Operation of Complex Automation Systems*, 1999.
- [Sch00] Klaus-Dieter Schewe. UML: A modern dinosaur? A critical analysis of the Unified Modelling Language. In H. Kangassalo, H. Jaakkola, and E. Kawaguchi, editors, *Proc. 10th European-Japanese Conference on Information Modelling and Knowledge Bases, Saariselkä (Finland), 2000*. IOS Press, Amsterdam, 2000.
- [Sch02] Andy Schürr. A new type checking approach for OCL version 2.0 ? In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 21–41. Springer, 2002.
- [SE99] Stefan Sauer and Gregor Engels. UML-basierte modellierung von multimediaanwendungen. In J. Desel, K. Pohl, and A. Schürr, editors, *Proc. Modellierung'99, March 10-12, 1999, Karlsruhe, Germany*, pages 155–170. Teubner, Stuttgart, 1999.
- [See97] Jochen Seemann. Extending the Sugiyama algorithm for drawing UML class diagrams: Towards automatic layout of object-oriented software diagrams. In G. DiBattista, editor, *Proc. Graph Drawing, 5th International Symposium, GD '97, Rome, Italy, September, 1997*, volume 1353 of *LNCS*. Springer, 1997.
- [SF99] Neelam Soundarajan and Stephen Fridella. Modeling exceptional behavior. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 691–705. Springer, 1999.

- [SFKG02] E. Song, Robert B. France, D. Kim, and S. Ghosh. Using roles for pattern-based model refactoring. In Jan Jürjens, María Victoria Cen-garle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 181–188. Technische Universität München, Institut für Informatik, 2002.
- [SG01] J. A. Sykes and P. Gupta. UML modeling support for early reuse decisions in component-based development. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 5, pages 75–88. Idea Publishing Group, 2001.
- [SGJ00] Gerson Sunyé, Alain Le Guennec, and Jean-Marc Jézéquel. Design patterns application in UML. In E. Bertino, editor, *Proceedings of ECOOP 2000*, volume 1850 of *LNCS*, pages 44–62. Springer, 2000.
- [SGM03] Friedrich Steimann, Jens Gößner, and Thomas Mück. On the key role of compositioning object-oriented modelling. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 106–120. Springer, 2003.
- [SGS⁺04] Greg Straw, Geri Georg, Eunjee Song, Sudipto Ghosh, Robert France, and James M. Bieman. Model composition directives. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 84–97. Springer, 2004.
- [SH01] Keng Siau and Terry Halpin, editors. *Unified Modeling Language: Systems Analysis, Design and Development Issues*. Idea Publishing Group, 2001.
- [SHU02] Dominik Stein, Stefan Hanenberg, and Rainer Unland. On representing join points in the UML. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
- [SHU04] Dominik Stein, Stefan Hanenberg, and Rainer Unland. Query models. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 98–112. Springer, 2004.
- [Sim98] Anthony Simons. 37 things that don't work in object-oriented modelling with UML. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings*

Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications), pages 209–232. Technische Universität München, TUM-I9813, 1998.

- [SJM04] Ragnhild Van Der Straeten, Viviane Jonckers, and Tom Mens. Supporting model refactorings through behaviour inheritance consistencies. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11-15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 304–319. Springer, 2004.
- [SK98a] Martin Schader and Axel Korthaus. Modeling business processes as part of the BOOSTER approach to business object-oriented systems development based on UML. In Cris Kobryn, editor, *Proceedings of The Second International Enterprise Distributed Object Computing Workshop*. IEEE, 1998.
- [SK98b] Martin Schader and Axel Korthaus. Modeling Java threads in UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 122–143. Physica-Verlag, Heidelberg, 1998.
- [SK98c] Martin Schader and Axel Korthaus, editors. *The Unified Modeling Language – Technical Aspects and Applications*. Physica-Verlag, Heidelberg, 1998.
- [SK02] Friedrich Steimann and Thomas Kühne. A radical reduction of UML’s core semantics. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 34–48. Springer, 2002.
- [SK03] Motoshi Saeki and Haruhiko Kaiya. Transformation based approach for weaving use case models in aspect-oriented requirements analysis. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [SKB01] Jeffrey Smith, Mieczyslaw K. Kokar, and Kenneth Baclawsi. Formal verification of UML diagrams: A first step towards code generation. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Counteracting or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 224–240. German Informatics Society, 2001.

- [SKS01] Petri Selonen, Kai Koskimies, and Markku Sakkinen. How to make apples from oranges in UML. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [SL02] Tim Schattkowsky and Marc Lohmann. Rapid development of modular dynamic web sites using UML. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 336–350. Springer, 2002.
- [SLPFE98] Monika Saksena, Maria Larrondo-Petrie, Robert B. France, and Matthew Evett. Extending aggregation constructs in UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 273–280, 1998.
- [SLPFE99] Monika Saksena, Maria Larrondo-Petrie, Robert B. France, and Matthew Evett. Extending aggregation constructs in UML. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 434–441. Springer, 1999.
- [SLWK03] Jörn Guy Süß, Andreas Leicher, Herbert Weber, and Ralf-D. Kutsche. Model-centric engineering with the evolution and validation environment. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 31–43. Springer, 2003.
- [SMSJ03] Ragnhild Van Der Straeten, Tom Mens, Jocelyn Simmonds, and Vianne Jonckers. Using description logic to maintain consistency between UML models. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 326–340. Springer, 2003.
- [Sou99] Jean Louis Sourrouille. UML behavior: Inheritance and implementation in current object-oriented languages. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 457–472. Springer, 1999.

- [SP99] Perdita Stevens and Rob Pooley. *Using UML: software engineering with objects and components*. Object Technology Series. Addison-Wesley, 1999. Updated edition for UML1.3: first published 1998 (as Pooley and Stevens).
- [SPH⁺01] Gerson Sunyé, François Pennaneac'h, Wai-Ming Ho, Alain Le Guenec, and Jean-Marc Jézéquel. Using UML action semantics for executable modeling and beyond. In *Advanced Information Systems Engineering. 13th International Conference, CAiSE 2001, Interlaken, Switzerland, June 4-8, 2001, Proceedings*, volume 2068 of *LNCS*, pages 433–447. Springer, 2001.
- [SPP01] Thomas Stauner, Alexander Pretschner, and István Péter. Approaching a discrete-continous UML: Tool support and formalization. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 242–257. German Informatics Society, 2001.
- [Spr01] Ralph H. Sprague, Jr., editor. *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [SPTJ01] Gerson Sunyé, Damien Pollet, Yves Le Traon, and Jean-Marc Jézéquel. Refactoring UML models. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 134–148. Springer, 2001.
- [SR98] Bran Selic and Jim Rumbaugh. Using UML for modeling complex real-time systems. Technical report, ObjecTime Limited, 1998.
- [SS97] Mark Saaltink and Bran Selic. A semantic framework for behavioural specifications. In Haim Kilov, Bernhard Rumpe, and Ian Simmonds, editors, *Proceedings OOPSLA'97 Workshop on Object-oriented Behavioral Semantics*, pages 155–162. Technische Universität München, TUM-I9737, 1997.
- [SS99] Shane Sendall and Alfred Strohmeier. UML based fusion analysis applied to a bank case study. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 278–291. Springer, 1999.
- [SS00a] Shane Sendall and Alfred Strohmeier. From use cases to system operation specifications. In Andy Evans, Stuart Kent, and Bran Selic, editors,

UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings, volume 1939 of *LNCS*, pages 1–15. Springer, 2000.

- [SS00b] Markus Stumptner and Michael Schrefl. Behavior consistent inheritance in UML. In Alberto H. F. Laender, Stephen W. Liddle, and Veda C. Storey, editors, *Conceptual Modeling - ER 2000, 19th International Conference on Conceptual Modeling, Salt Lake City, Utah, USA, October 9-12, 2000, Proceedings*, volume 1920 of *LNCS*, pages 527–542. Springer, 2000.
- [SS01a] Shane Sendall and Alfred Strohmeier. Specifying concurrent system behavior and timing constraints using OCL and UML. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 391–405. Springer, 2001.
- [SS01b] Devang Shah and Sandra Slaughter. Data modeling and UML. In Keng Siau and Terry Halpin, editors, *Unified Modeling Language: Systems Analysis, Design and Development Issues*, chapter 3, pages 43–60. Idea Publishing Group, 2001.
- [SS02] Shane Sendall and Alfred Strohmeier. Using OCL and UML to specify system behavior. In Tony Clark and Jos Warmer, editors, *Object Modeling with the OCL: The Rationale behind the Object Constraint Language*, pages 250–279. Springer, 2002.
- [ST98] Andreas Schroff and A. Teichrieb. Conventions for the practical use of UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 262–270. Physica-Verlag, Heidelberg, 1998.
- [ST99] Marianthi Svinterikou and Babis Theodoulidis. TUML: A method for modelling temporal information systems. In M. Jarke and A. Oberweis, editors, *Proceedings Advanced Information Systems Engineering, 11th International Conference, CAiSE'99, Heidelberg, Germany, June, 1999*, volume 1626 of *LNCS*, pages 456–461. Springer, 1999.
- [Ste00a] Friedrich Steimann. Eine grundlegung des rollenbegriffs für die objektorientierte modellierung. In Jürgen Ebert and Ulrich Frank, editors, *Modelle und Modellierungssprachen in Informatik und Wirtschaftsinformatik. Beiträge des Workshops “Modellierung 2000”, St. Goar; 5. - 7. April 2000.*, Koblenzer Schriften zur Informatik, Band 15. Koblenz: Fölbach, 2000.
- [Ste00b] Friedrich Steimann. A radical revision of UML’s role concept. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified*

- Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of LNCS, pages 194–209. Springer, 2000.
- [Ste01a] Perdita Stevens. On associations in the unified modelling language. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of LNCS, pages 361–375. Springer, 2001.
 - [Ste01b] Perdita Stevens. On Use Cases and their relationships in the Unified Modelling Language. In Heinrich Hussmann, editor, *Fundamental Approaches to Software Engineering, 4th International Conference, FASE 2001, held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2001, Genova, Italy, April 2-6, 2001, Proceedings*, volume 2029 of LNCS, pages 140–155. Springer, 2001.
 - [Stö01] Harald Störrle. Describing process patterns with UML. In V. Ambriola, editor, *8th European Workshop, EWSPT 2001, Witten, Germany, June, 19-21, 2001, Proceedings*, volume 2077 of LNCS, pages 173–181. Springer, 2001.
 - [Str98] Susanne Strahringer. Ways of handling and interpreting specialization in object-oriented modeling. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 170–189. Physica-Verlag, Heidelberg, 1998.
 - [STY02] Naomi Sapir, Shmuel Tyszberowicz, and Amiram Yehudai. Extending UML with aspect usage constraints in the analysis and design phases. In Mohamed Kandé, Omar Aldawud, Grady Booch, and Bill Harrison, editors, *Workshop on Aspect-Oriented Modeling with UML*, 2002.
 - [SV03] Ákos Schmidt and Dániel Varró. CheckVML: A tool for model checking visual modeling languages. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of LNCS, pages 92–95. Springer, 2003.
 - [SvG98a] Jochen Seemann and Jürgen Wolff von Gudenberg. Extension of UML sequence diagrams for real-time systems. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 225–233, 1998.
 - [SvG98b] Jochen Seemann and Jürgen Wolff von Gudenberg. UML- Unified Modeling Language. *Informatik-Spektrum*, 21(2):89–90, 1998.

- [SvG98c] Jochen Seemann and Jürgen Wolff von Gudenberg. UMLscript: A programming language for object-oriented design. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 160–169. Physica-Verlag, Heidelberg, 1998.
- [SvG99] Jochen Seemann and Jürgen Wolff von Gudenberg. Extension of UML sequence diagrams for real-time systems. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 240–252. Springer, 1999.
- [SvVB02] Thorsten Sturm, Jesco von Voss, and Marko Boger. Generating code from UML with velocity templates. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 150–161. Springer, 2002.
- [SW98a] Andy Schürr and Andreas Winter. Formal definition of UML's package concept. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 144–159. Physica-Verlag, Heidelberg, 1998.
- [SW98b] Andy Schürr and Andreas Winter. UML packages for programmed graph rewriting systems. In H. Ehrig, G. Engels, H.-J. Kreowski, and G. Rozenberg, editors, *Proc. Sixth International Workshop on Theory and Application of Graph Transformations (TAGT'98)*, volume 1764 of *LNCS*. Springer, 1998.
- [SW01] Ansgar Schleicher and Bernhard Westfechtel. Beyond stereotyping: Metamodeling approaches for the UML. In Ralph H. Sprague, Jr., editor, *Proc. 34th Annual Hawaii International Conference on System Sciences (HICSS-34)*. IEEE Computer Society, 2001.
- [SWB03] Perdita Stevens, Jon Whittle, and Grady Booch, editors. *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*. Springer, 2003.
- [SWGR01] Jin Sa, Brian Warboys, Mark Greenwood, and Ian Robertson. Modeling a support framework for dynamic organizations as a process pattern using UML. In V. Ambriola, editor, *8th European Workshop, EWSPT 2001, Witten, Germany, June, 19-21, 2001, Proceedings*, volume 2077 of *LNCS*, pages 203–216. Springer, 2001.

- [SY98] Junichi Suzuki and Yoshikazu Yamamoto. Making UML models exchangeable over the internet with XML: UXF approach. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998*, pages 65–74, 1998.
- [SY99a] Junichi Suzuki and Yoshikazu Yamamoto. Extending UML for modelling reflective software components. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 220–235. Springer, 1999.
- [SY99b] Junichi Suzuki and Yoshikazu Yamamoto. Making UML models interoperable with UXF. In Jean Bézivin and Pierre-Alain Muller, editors, *The Unified Modeling Language, UML'98 - Beyond the Notation. First International Workshop, Mulhouse, France, June 1998, Selected Papers*, volume 1618 of *LNCS*, pages 78–91. Springer, 1999.
- [Sys97] Tarja Systä. Automated support for constructing OMT scenarios and state diagrams in SCED. Technical Report A-1997-8, Department of Computer Science, University of Tampere, 1997. A-1997-8 is available as paper copy only.
- [SZ99] Wilhelm Schäfer and Albert Zündorf. Round-trip engineering with design patterns, UML, Java and C++. In *Proceedings of the 1999 International Conference on Software Engineering (ICSE), Los Angeles, USA*, pages 683–684. ACM, 1999.
- [SZ01] Emil Sekerinski and Rafik Zurob. istate: A statechart translator. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 376–390. Springer, 2001.
- [TBA99] TBA, editor. *Proceedings of ICSSEA'99*. TBA, 1999.
- [TBA00] TBA, editor. *Proc. of The 4th International Enterprise Distributed Object Computing Conference*. IEEE, 2000.
- [TC02a] Mei-Huei Tang and Mei-Hwa Chen. Measuring OO design metrics from UML. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 368–382. Springer, 2002.
- [TC02b] Laurence Tratt and Tony Clark. Enhancing the template mechanism. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.

- [TE00] A. Tsoliakis and H. Ehrig. Consistency analysis of UML class and sequence diagrams using attributed graph grammars. In H. Ehrig and G. Taentzer, editors, *Proc. of Joint APPLIGRAPH/GETGRATS Workshop on Graph Transformation Systems, Berlin, March 2000*, 2000. Technical Report no. 2000/2, Technical University of Berlin.
- [TF01] Ray Trask and Robert B. France. RIGR - a repository model based approach to management. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 258–269. German Informatics Society, 2001.
- [TM00] Toshihiko Tsumaki and Yoshitomi Morisawa. A framework of requirements tracing using UML. In N.N., editor, *Proceedings of APSEC 2000*. IEEE Computer Society, 2000.
- [Tra97] Roland Trauter. A first review of UML. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP'97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 165–166. Technische Universität München, TUM-I9725, 1997.
- [TW97] Putnam P. Texel and Charles B. Williams. *Use Cases Combined with Booch/OMT/UML: Process and Products*. Prentice Hall, 1997.
- [UBB00] M. A. Sicilia Urban, E. Garcia Barriocanal, and J. M. Dodero Beardo. Towards a unified Query-by-Example (UQBE): UML as a basis for a generic graphical query language. In *ECOOP 2000 Symposium on Objects and Databases, France, June 13, 2000*, 2000.
- [Uzu98] U. Uzun. Towards distributed object design. Research Report CS-RR-338, Department of Computer Science, University of Warwick, Coventry, UK, March 1998.
- [Var02] Dániel Varró. A formal semantics of UML statecharts by model transition systems. In Andrea Corradini, Hartmut Ehrig, Hans-Jörg Kreowski, and Grzegorz Rozenberg, editors, *Graph Transformation. First International Conference, ICGT 2002, Barcelona, Spain, October 2002, Proceedings*, volume 2505 of *LNCS*, pages 378–392. Springer, 2002.
- [vdB01] Michael van der Beeck. Formalization of UML-statecharts. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 406–421. Springer, 2001.

- [vEB98] Peter van Emde Boas. Formalizing UML; mission impossible? In Luis Andrade, Ana Moreira, Akash Deshpande, and Stuart Kent, editors, *Proceedings of the OOPSLA'98 Workshop on Formalizing UML. Why? How?*, 1998.
- [VJ99] Mandana Vaziri and Daniel Jackson. Some shortcomings of OCL, the Object Constraint Language of UML, December 1999. Response to Object Management Group's Request for Information on UML 2.0.
- [VMB99] J. M. Canete Valdeon, F. Galan Morillo, and M. Toro Bonilla. Filling the gap between specification and implementation of software systems by an executable code generator of UML/OCL models. In TBA, editor, *Proceedings of ICSSEA'99*. TBA, 1999.
- [VP02] Dániel Varró and András Pataricza. Metamodeling mathematics: A precise and visual framework for describing semantics domains of UML models. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 18–33. Springer, 2002.
- [VP04] Dániel Varró and András Pataricza. Generic and meta-transformations for model transformation engineering. In Thomas Baar, Alfred Strohmeier, Ana Moreira, and Stephen J. Mellor, editors, *UML 2004 - The Unified Modeling Language. Model Languages and Applications. 7th International Conference, Lisbon, Portugal, October 11–15, 2004, Proceedings*, volume 3273 of *LNCS*, pages 290–304. Springer, 2004.
- [VSdS00] Patricia Vilain, Daniel Schwabe, and Clarisse Sieckenius de Souza. A diagrammatic tool for representing user interaction in UML. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 133–147. Springer, 2000.
- [WAK03] Jon Whittle, João Araújo, and Dae-Kyoo Kim. Modeling and validating interaction aspects in UML. In Faisal Akkawi, Omar Aldawud, Grady Booch, Siobhán Clarke, Jeff Gray, Bill Harrison, Mohamed Kandé, Dominik Stein, Peri Tarr, and Aida Zakaria, editors, *The 4th AOSD Modeling With UML Workshop*, 2003.
- [WB98] Roel Wieringa and Jan Broersen. A minimal transition system semantics for lightweight class- and behavior diagrams. In Manfred Broy, Derek Coleman, Tom S. E. Maibaum, and Bernhard Rumpe, editors, *Proceedings PSMT'98 Workshop on Precise Semantics for Modeling Techniques*. Technische Universität München, TUM-I9803, 1998.

- [WBGP01] Torben Weis, Christian Becker, Kurt Geihs, and Noël Plouzeau. A UML meta-model for contract aware components. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 442–456. Springer, 2001.
- [WBP98] Martin Wolf, Rainer Burkhardt, and I. Philippow. Software engineering process with the UML. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 271–280. Physica-Verlag, Heidelberg, 1998.
- [WG00] Alain Wegmann and Guy Genilloud. The roles of “roles” in use case diagrams. In Andy Evans, Stuart Kent, and Bran Selic, editors, *UML 2000 - The Unified Modeling Language. Advancing the Standard. Third International Conference, York, UK, October 2000, Proceedings*, volume 1939 of *LNCS*, pages 210–224. Springer, 2000.
- [WHCS97] Jos Warmer, John Hogg, Steve Cook, and Bran Selic. Experience with formal specification of CMM and UML. In Haim Kilov and Bernhard Rumpe, editors, *Proceedings ECOOP’97 Workshop on Precise Semantics for Object-Oriented Modeling Techniques*, pages 167–171. Technische Universität München, TUM-I9725, 1997.
- [Whi02] Jon Whittle. Transformations and software modeling languages: Automating transformations in UML. In Jean-Marc Jézéquel, Heinrich Hussmann, and Stephen Cook, editors, *UML 2002 - The Unified Modeling Language. Model Engineering, Languages, Concepts, and Tools. 5th International Conference, Dresden, Germany, September/October 2002, Proceedings*, volume 2460 of *LNCS*, pages 227–242. Springer, 2002.
- [Wie98] Roel Wieringa. Formalizing the UML in a systems engineering approach. In Haim Kilov and Bernhard Rumpe, editors, *Second ECOOP Workshop on Precise Behavioral Semantics (with an Emphasis on OO Business Specifications)*, pages 254–266. Technische Universität München, TUM-I9813, 1998.
- [Wil01a] Clay E. Williams. Toward a test-ready meta-model for use cases. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada*, volume P-7 of *LNI*, pages 270–287. German Informatics Society, 2001.
- [Wil01b] Alan Cameron Wills. Catalytic modeling: UML meets XP. In Andy Evans, Robert France, Ana Moreira, and Bernhard Rumpe, editors, *Practical UML-Based Rigorous Development Methods - Countering or*

Integrating the eXtremists. Workshop of the pUML-Group held together with the UML 2001 October 1st, 2001 in Toronto, Canada, volume P-7 of *LNI*, pages 288–306. German Informatics Society, 2001.

- [Win00] Dunja Winkens. Variationsmöglichkeiten bei der transformation von UML-basiskonzepten in dokumenttypdefinitionen. In Jürgen Ebert and Ulrich Frank, editors, *Modelle und Modellierungssprachen in Informatik und Wirtschaftsinformatik. Beiträge des Workshops “Modellierung 2000”, St. Goar, 5. - 7. April 2000.*, Koblenzer Schriften zur Informatik, Band 15. Koblenz: Fölbach, 2000.
- [WK98] Jos Warmer and Anneke Kleppe. *The Object Constraint Language: Precise Modeling with UML*. Addison-Wesley, 1998.
- [WK99] Jos Warmer and Anneke Kleppe. OCL: The constraint language of the UML. *Journal of Object-Oriented Programming*, May 1999.
- [WM98] Wolfgang Weber and Pierre Metz. Reuse of models and diagrams of the UML and implementation concepts regarding dynamic modeling. In Martin Schader and Axel Korthaus, editors, *The Unified Modeling Language – Technical Aspects and Applications*, pages 190–203. Physica-Verlag, Heidelberg, 1998.
- [WMB99] Axel Wienberg, Florian Matthes, and Marko Boger. Modeling dynamic software components with UML. In Robert France and Bernhard Rumpe, editors, *UML'99 - The Unified Modeling Language. Beyond the Standard. Second International Conference, Fort Collins, CO, USA, October 28-30. 1999, Proceedings*, volume 1723 of *LNCS*, pages 204–219. Springer, 1999.
- [WP02] Alain Wegmann and Otto Preiss. Strengthening MDA by drawing from the living systems theory. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.
- [WS02] A. Wasowski and P. Sestoft. Compile-time scope resolution for state-charts transitions. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 133–146. Technische Universität München, Institut für Informatik, 2002.
- [WWG00] Guido Wirtz, Mathias Weske, and Holger Giese. Extending uml with workflow modeling capabilities. In Opher Etzion and Peter Scheuermann, editors, *Cooperative Information Systems, 7th International Conference, CoopIS 2000, Eilat, Israel, September 6-8, 2000, Proceedings*, volume 1901 of *LNCS*, pages 30–41. Springer, 2000.
- [XMY⁺01] Li Xuandong, Cui Meng, Pei Yu, Zhao Jianhua, and Zheng Guoliang. Timing analysis of UML activity diagrams. In Martin Gogolla and Cris

- Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 62–75. Springer, 2001.
- [YA01] Sherif M. Yacoub and Hany H. Ammar. UML support for designing software systems as a composition of design patterns. In Martin Gogolla and Cris Kobryn, editors, *UML 2001 - The Unified Modeling Language. Modeling Languages, Concepts, and Tools. 4th International Conference, Toronto, Canada, October 2001, Proceedings*, volume 2185 of *LNCS*, pages 149–165. Springer, 2001.
- [YKC⁺98] Y. J. Yang, S. Y. Kim, G. J. Choi, E. S. Cho, C. J. Kim, and S. D. Kim. A UML-based object-oriented framework development methodology. In *Proceedings 5th Asia Pacific Software Engineering Conference (APSEC '98), December 2-4, 1998, Taipei, Taiwan*. IEEE Computer Society, 1998.
- [YX03] Yaojin Yang and Jianli Xu. Encoding informal architectural descriptions with UML: An experience report. In Perdita Stevens, Jon Whittle, and Grady Booch, editors, *UML 2003 - The Unified Modeling Language. Model Languages and Applications. 6th International Conference, San Francisco, CA, USA, October 2003, Proceedings*, volume 2863 of *LNCS*, pages 138–142. Springer, 2003.
- [ZG02] Paul Ziemann and Martin Gogolla. An extension of OCL with temporal logic. In Jan Jürjens, María Victoria Cengarle, Eduardo B. Fernandez, Bernhard Rumpe, and Robert Sandner, editors, *Critical Systems Development with UML – Proceedings of the UML'02 workshop*, pages 53–62. Technische Universität München, Institut für Informatik, 2002.
- [ZG03a] Paul Ziemann and Martin Gogolla. OCL extended with temporal logic. In Manfred Broy and Alexandre Zamulin, editors, *5th Int. Conf. Perspectives of System Informatics (PSI'2003)*, volume 2890 of *LNCS*. Springer, 2003.
- [ZG03b] Paul Ziemann and Martin Gogolla. An OCL extension for formulating temporal constraints. Technical Report 1/03, Universität Bremen, 2003.
- [ZG03c] Paul Ziemann and Martin Gogolla. Validating OCL specifications with the USE tool - an example based on the BART case study. In Thomas Arts and Wan Fokkink, editors, *Proc. 8th Int. Workshop Formal Methods for Industrial Critical Systems (FMICS'2003)*, volume 80 of *ENTCS*. Elsevier, 2003.
- [ZHGS05a] Paul Ziemann, Karsten Hölscher, and Martin Gogolla. Coherently explaining UML statechart and collaboration diagrams by graph transformations. In Arnaldo Moura and Alexandre Mota, editors, *Proc. of the*

Brazilian Symposium on Formal Methods (SBMF 2004), ENTCS. Elsevier, 2005. To appear.

- [ZHG05b] Paul Ziemann, Karsten Hölscher, and Martin Gogolla. From UML models to graph transformation systems. In Mark Minas, editor, *Proceedings of the Workshop on Visual Languages and Formal Methods (VLFM 2004)*, volume 127(4) of ENTCS. Elsevier, 2005.
- [ZTJ02] Tewfik Ziadi, Bruno Traverson, and Jean-Marc Jézéquel. From a UML platform independent component model to platform specific component models. In Jean Bezivin and Robert France, editors, *Workshop in Software Model Engineering*, 2002.