

# Publications

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December 5, 2014

## 1 Book

- Hidehiko Masuhara, Shigeru Chiba, Naoyasu Ubayashi (Eds.): Aspect-Oriented Software Development, AOSD '13, Fukuoka, Japan, March 24-29, 2013. ACM 2013, ISBN 978-1-4503-1766-5
- Hidehiko Masuhara, Shigeru Chiba, Naoyasu Ubayashi (Eds.): Aspect-Oriented Software Development, AOSD '13, Companion Volume, Fukuoka, Japan, March 24-29, 2013. ACM 2013, ISBN 978-1-4503-1873-0

## 2 Book Chapter

- Tetsuo Tamai, Naoyasu Ubayashi, and Ryoichi Ichiyama: Objects as Actors Assuming Roles in the Environment, *Choren, R., Garcia, A., Giese, H., Leung, H., Lucena, C., and Romanovsky A., eds., Software Engineering for Multi-Agent Systems V, LNCS 4408*, Springer-Verlag, pp.185-203 (2007)

## 3 Journal Papers

- Naoyasu Ubayashi, Shin Nakajima, and Masayuki Hirayama: Context-dependent Product Line Engineering with Lightweight Formal Approaches (SPLC 2010 Revised Selected Paper), *Science of Computer Programming*, 78(12), pp.2331-2346 (2013).
- Yasutaka Kamei, Emad Shihab, Bram Adams, Ahmed E. Hassan, Audris Mockus, Anand Sinha, and Naoyasu Ubayashi: A Large-Scale Empirical Study of Just-In-Time Quality Assurance, *IEEE Transactions on Software Engineering*, vol 39, issue 6, pp.757-773 (2013).
- Naoyasu Ubayashi and Yasutaka Kamei: An Extensible Aspect-oriented Modeling Environment for Constructing Domain-Specific Languages, *IEICE Transactions on Information and Systems*, vol E95-D no.4, pp.942-958 (2012).

- Takako Nakatani, Shozo Hori, Naoyasu Ubayashi, Keiichi Katamine, and Masaaki Hashimoto: A Case Study of Requirements Elicitation Process with Changes, *IEICE Transactions on Information and Systems*, vol E93-D no.8, pp.2182-2189 (2010).
- Shozo Hori, Takako Nakatani, Keiichi Katamine, Naoyasu Ubayashi, and Masaaki Hashimoto: Project Management Patterns To Prevent Schedule Delay Caused by Requirements Changes, *IEICE Transactions on Information and Systems*, vol E93-D no.4, pp.745-753 (2010).
- Naoyasu Ubayashi, Tetsuo Tamai, Shinji Sano, Yusaku Maeno, and Satoshi Murakami: Metamodel Access Protocols for Extensible Aspect-Oriented Modeling, *International Transactions on Systems Science and Applications (ITSSA)*, vol.1, no.1, pp.93-101 (2006).
- Kouhei Sakurai, Hidehiko Masuhara, Naoyasu Ubayashi, Saeko Matuura, and Seiichi Komiya: Design and Implementation of an Aspect Instantiation Mechanism, *Transactions on Aspect-Oriented Software Development I, Lecture Notes in Computer Science*, vol.3880, Springer-Verlag, pp.259-292 (2006).
- Naoyasu Ubayashi and Tetsuo Tamai: Modeling collaborations among objects that change their roles dynamically and its modularization mechanism, *Systems and Computers in Japan*, vol.33, no.5, pp.51-63 (2002).
- Naoyasu Ubayashi, Atsuo Ohki, and Yasushi Kuno: A Parallel Computation Model and a Programming Language for the Description of Collaboration among Objects, *Systems and Computers in Japan*, vol.28, no.5, pp.33-43 (1997).

## 4 Conference Papers

- Akinori Ihara, Yasutaka Kamei, Masao Ohira, Ahmed E. Hassan, Naoyasu Ubayashi, and Kenichi Matsumoto: Early Identification of Future Committers in Open Source Software Projects, In *Proceedings of the 14th International Conference on Quality Software (QSIC 2014)*, pp.47-56 (2014).
- Naoyasu Ubayashi, Di Ai, Peiyuan Li, Yu Ning Li, Shintaro Hosoai, and Yasutaka Kamei: Abstraction-aware Verifying Compiler for Yet Another MDD, In *Proceedings of the 29th International Conference on Automated Software Engineering (ASE 2014)*, New Ideas Paper, pp.557-562 (2014).
- Shuhei Ohsako, Yasutaka Kamei, Shintaro Hosoai, Weiqiang Kong, Kimitaka Kato, Akihiko Ishizuka, Kazutoshi Sakaguchi, Miyuki Kawataka, Yoshitsugu Morita, Naoyasu Ubayashi, and Akira Fukuda: A Case Study on Introducing the Design Thinking into PBL, In *Proceedings of the 10th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS 2014)* (2014).

- Takafumi Fukushima, Yasutaka Kamei, Shane McIntosh, Kazuhiro Yamashita, and Naoyasu Ubayashi: An Empirical Study of Just-In-Time Defect Prediction Using Cross-Project Models, In *Proceedings of the 11th Working Conference on Mining Software Repositories (MSR 2014)*, pp.172-181 (2014).
- Kazuhiro Yamashita, Shane McIntosh, Yasutaka Kamei, and Naoyasu Ubayashi: Magnet or Sticky?: An OSS Project-by-Project Typology, Mining Challenge Track, In *Proceedings of the 11th Working Conference on Mining Software Repositories (MSR 2014)*, pp.344-347 (2014).
- Di Ai, Naoyasu Ubayashi, Peiyuan Li, Daisuke Yamamoto, Yu Ning Li, Shintaro Hosoi, and Yasutaka Kamei: iArch: An IDE for Supporting Fluid Abstraction, In *Proceedings of the 13th International Conference on Modularity (Modularity'14)*, Demonstrations, pp.13-16 (2014).
- Di Ai, Naoyasu Ubayashi, Peiyuan Li, Shintaro Hosoi, and Yasutaka Kamei: iArch: An IDE for Supporting Abstraction-aware Design Traceability, In *Proceedings of the 2nd International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2014)*, pp.442-447 (2014).
- Tetsuya Oishi, Weiqiang Kong, Yasutaka Kamei, Norimichi Hiroshige, Naoyasu Ubayashi, and Akira Fukuda: An Empirical Study on Remote Lectures Using Video Conferencing Systems, In *Proceedings of the 9th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS 2013)* (2013).
- Masateru Tsunoda, Koji Toda, Kyohei Fushida, Yasutaka Kamei, Meiyappan Nagappan, and Naoyasu Ubayashi: Revisiting Software Development Effort Estimation Based on Early Phase Development Activities, In *Proceedings of International Working Conference on Mining Software Repositories (MSR 2013)*, pp.429-438 (2013)
- Kazuhiro Yamashita: Modular Construction of an Analysis Tool for Mining Software Repositories, MODULARITY: aosd13, ACM Student Research Competition (2013).
- Tetsuya Oishi, Yasutaka Kamei, Weiqiang Kong, Norimichi Hiroshige, Naoyasu Ubayashi, and Akira Fukuda: An Experience Report on Remote Lecture Using Multi-point Control Unit, In *Proceedings of International Conference on Education and Teaching (ICET 2013)* (2013).
- Naoyasu Ubayashi and Yasutaka Kamei: UML-based Design and Verification Method for Developing Dependable Context-aware Systems, In *Proceedings of the 1st International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2013)*, pp.89-94 (2013).

- Norimichi Hiroshige, Weiqiang Kong, Shigeru Kusakabe, Tsunenori Mine, Naoyasu Ubayashi, Akira Fukuda, and Keijiro Araki: Communication Analysis through PBL, In *Proceedings of the 2012 International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS 2012)*, vol.1 pp.54-58 (2012).
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- Naoyasu Ubayashi and Yasutaka Kamei: Stepwise Context Boundary Exploration Using Guide Words, CAiSE Forum 2011, LNBIP 107 proceedings, pp.218-233 (2012).
- Yasutaka Kamei, Hiroki Sato, Akito Monden, Shinji Kawaguchi, Hidetake Uwano, Masataka Nagura, Ken-Ichi Matsumoto, and Naoyasu Ubayashi: An Empirical Study of Fault Prediction with Code Clone Metrics, In *Proceedings of the Joint Conference of the 21th International Workshop on Software Measurement (IWSM) and the 6th International Conference on Software Process and Product Measurement (Mensura) (IWSM/MENSURA 2011)*, pp.55-61 (2011).
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- Naoyasu Ubayashi, Yasutaka Kamei, Masayuki Hirayama, and Tetsuo Tamai: A Context Analysis Method for Embedded Systems —Exploring a Requirement Boundary between a System and Its Context, In *Proceedings of the 19th IEEE International Requirements Engineering Conference (RE 2011)*, IEEE Computer Society, pp.143-152 (2011). [acceptance rate: 23 of 138 (16.7%)]
- Masaru Shiozuka, Naoyasu Ubayashi, and Yasutaka Kamei: Debug Concern Navigator, In *Proceedings of the 23rd International Conference on Software Engineering and Knowledge Engineering (SEKE 2011)*, pp.197-202 (2011).
- Naoyasu Ubayashi and Yasutaka Kamei: Stepwise Context Boundary Exploration Using Guide Words, In *Proceedings of the 23rd International Conference on Advanced Information Systems Engineering (CAiSE 2011 Forum)* (2011).

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- Naoyasu Ubayashi, Jun Nomura, and Tetsuo Tamai: Archface: A Contract Place Where Architectural Design and Code Meet Together, In *Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering (ICSE 2010)*, ACM PRESS, pp.75-84 (2010). [acceptance rate: 54 of 380 (14%)]
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- Keiji Hokamura, Ryoto Naruse, Masaru Shiozuka, Naoyasu Ubayashi, Shin Nakajima, and Akihito Iwai: AOWP: Web-specific AOP framework for PHP, In *Proceedings of the 24th IEEE/ACM International Conference on Automated Software Engineering (ASE 2009) Tool Demonstrations Track*, IEEE Computer Society, pp.679-681 (2009).
- Shouzo Hori, Takako Nakatani, Keiichi Katamine, Naoyasu Ubayashi, and Masaaki Hashimoto: Project Management Patterns for Preventing Schedule Delay Caused by Requirements Changes, In *Proceedings of the 4th International Conference on Software and Data Technologies (ICSOFT 2009)* (2009).
- Naoyasu Ubayashi, Genya Otsubo, Kazuhide Noda, and Jun Yoshida: An Extensible Aspect-oriented Modeling Environment, In *Proceedings of the 21st International Conference on Advanced Information Systems (CAiSE 2009)*, Lecture Notes in Computer Science, Springer-Verlag, vol.5565, pp.17-31 (2009). [acceptance rate: 36 of 230 (16%)]
- Keiji Hokamura, Naoyasu Ubayashi, Shin Nakajima, and Akihito Iwai: Aspect-oriented Programming for Web Controller Layer, In *Proceedings of the 15th Asia-Pacific Software Engineering Conference (APSEC 2008)*, IEEE Computer Society, pp.529-536 (2008). [acceptance rate: 65 of 221 (29%)]
- Naoyasu Ubayashi, Genya Otsubo, Kazuhide Noda, Jun Yoshida, and Tetsuo Tamai: AspectM: UML-based Extensible AOM Language, In *Proceedings of the 23rd IEEE/ACM International Conference on Automated*

*Software Engineering (ASE 2008) Research Tool Demonstrations Track*, IEEE Computer Society, pp.501-502 (2008).

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- Keiichi Katamine, Yasufumi Shinyashiki, Toshiro Mise, Masaaki Hashimoto, Naoyasu Ubayashi, and Takako Nakatani: Formalizing a Conceptual Model for Analysis Method of Extracting Unexpected Obstacles of Embedded Systems, In *Proceedings of the 8th Joint Conference on Knowledge-Based Software Engineering (JCKBSE 2008)* (2008).
- Keiichi Ishibashi, Masaaki Hashimoto, Keiichi Katamine, Ryoma Shiratsuchi, Keita Asaine, Takako Nakatani, Naoyasu Ubayashi, and Yoshihiro Akiyama: A Discussion on Domain Modeling in an Example of Motivation-Based Human Resource Management, In *Proceedings of the 8th Joint Conference on Knowledge-Based Software Engineering (JCKBSE 2008)* (2008).
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- Naoyasu Ubayashi, Yuki Sato, Akihiro Sakai, and Tetsuo Tamai: Alloy-based Lightweight Verification for Aspect-oriented Architecture, In *Proceedings of the 6th International Conference on Software Engineering Research, Management and Applications (SERA 2008)*, IEEE Computer Society, pp.171-178 (2008). [acceptance rate: 62 of 147 (42%)]
- Naoyasu Ubayashi, Jinji Piao, Suguru Shinotsuka, and Tetsuo Tamai: Contract-based Verification for Aspect-oriented Refactoring, In *Proceedings of the 1st IEEE International Conference on Software Testing, Verification, and Validation (ICST 2008)*, IEEE Computer Society, pp.180-189 (2008). [acceptance rate: 37 of 147 (25%)]
- Yasufumi Shinyashiki, Toshiro Mise, Masaaki Hashimoto, Naoyasu Ubayashi, Keiichi Katamine, and Takako Nakatani: Enhancing the ESIM (Embedded Systems Improving Method) by Combining Information Flow Diagram with Analysis Matrix for Efficient Analysis of Unexpected Obstacles in Embedded Software, In *Proceedings of the 14th Asia-Pacific Software Engineering Conference (APSEC 2007)*, IEEE Computer Society, pp.326-333 (2007). [acceptance rate: 67 of 214 (31%)]

- Naoyasu Ubayashi, Akihiro Sakai, and Tetsuo Tamai: An Aspect-oriented Weaving Mechanism Based on Component and Connector Architecture, In *Proceedings of the 22nd IEEE/ACM International Conference on Automated Software Engineering (ASE 2007)*, ACM PRESS, pp.154-163 (2007). [acceptance rate: 37 of 312 (12%)]
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- Naoyasu Ubayashi and Shin Nakajima: Context-aware Feature-Oriented Modeling with an Aspect Extension of VDM, In *Proceedings of the 22nd Annual ACM Symposium on Applied Computing (SAC 2007)*—Programming for Separation of Concerns (PSC) Track , pp.1269-1274 (2007). [acceptance rate: 251 of 786 (32%)]
- Shinya Yoshihara, Shozo Hori, Yoshihiro Akiyama, Takako Nakatani, Keiichi Katamine, Naoyasu Ubayashi, and Masaaki Hashimoto: A Requirement Traceability Model for Managing Unexpected Obstacle Analysis in the Upper Process of Embedded Software Development Projects, In *Proceedings of the 3rd International Project Management Conference (ProMAC 2006)* (2006).
- Ishibashi K., Shiratsuchi R., Asaine K., Hashimoto M., Akiyama Y., Nakatani T., Ubayashi N., Katamine K., and Miyashita Y.: Applying Lawler's expectancy theory to human factors in project management - Introducing the CCPM method as an example, In *Proceedings of the 3rd International Project Management Conference (ProMAC 2006)* (2006).
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- Toshiro Mise, Masaaki Hashimoto, Keiichi Katamine, Yasufumi Shinyashiki, Naoyasu Ubayashi, and Takako Nakatani: An Analysis Method with Failure Scenario Matrix for Specifying Unexpected Obstacles in Embedded Systems, In *Proceedings of the 12th Asia-Pacific Software Engineering Conference (APSEC 2005)*, IEEE Computer Society, pp.447-456 (2005). [acceptance rate: 29%]
- Naoyasu Ubayashi, Genki Moriyama, Hidehiko Masuhara, and Tetsuo Tamai: A Parameterized Interpreter for Modeling Different AOP Mechanisms, In *Proceedings of the 20th IEEE/ACM International Conference on Automated Software Engineering (ASE 2005)*, ACM PRESS, pp.194-203 (2005). [acceptance rate: 28 of 291 (10%)]
- Naoyasu Ubayashi, Tetsuo Tamai, Shinji Sano, Yusaku Maeno, and Satoshi Murakami: Model Compiler Construction Based on Aspect-Oriented Mechanisms, In *Proceedings of the 4th ACM SIGPLAN International Conference on Generative Programming and Component Engineering (GPCE 2005)*, *Lecture Notes in Computer Science*, Springer-Verlag, vol.3676, pp.109-124 (2005). [acceptance rate: 27 of 86 (31%)]
- Tetsuo Tamai, Naoyasu Ubayashi, and Ryoichi Ichiyama: An Adaptive Object Model with Dynamic Role Binding, In *Proceedings of the 27th IEEE/ACM International Conference on Software Engineering (ICSE 2005)*, ACM PRESS, pp.166-175 (2005). [acceptance rate: 44 of 313 (14%)]
- Masaaki Hashimoto, Toyohiko Hirota, Yuji Imoto, Keiichi Katamine, Osamu Takata, and Naoyasu Ubayashi: A Discussion on Modeling Technique of Product-Oriented Project Scheduling in an Example of Building Construction, In *Proceedings of the 2nd International Project Management Conference (ProMAC 2004)*, pp.628-633 (2004).
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- Naoyasu Ubayashi and Tetsuo Tamai: Aspect-Oriented Programming with Model Checking, In *Proceedings of the 1st International Conference on Aspect-Oriented Software Development (AOSD 2002)*, ACM PRESS, short paper, pp.148-154 (2002). [acceptance rate: 9+8 of 50 (34%)]
- Naoyasu Ubayashi and Tetsuo Tamai: Separation of Concerns in Mobile Agent Applications, In *Proceedings of the 3rd International Conference on Metalevel Architectures and Separation of Crosscutting Concerns (REFLECTION 2001)*, *Lecture Notes in Computer Science*, vol.2192, Springer-Verlag, pp.89-109 (2001). [acceptance rate: 11 of 44 (25%)]
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- Naoyasu Ubayashi and Tetsuo Tamai: An Evolutional Cooperative Computation Based on Adaptation to Environment, In *Proceedings of the 6th Asia Pacific Software Engineering Conference (APSEC'99)*, IEEE Computer Society, pp.334-341 (1999). [acceptance rate: 65 of 137 (47%)]

## 5 Referred Workshop Papers

- Peiyuan Li, Naoyasu Ubayashi, Di Ai, Yu Ning Li, Shintaro Hosoi, Yasutaka Kamei: Sketch-based Gradual Model-Driven Development, International Workshop on Innovative Software Development Methodologies and Practices (InnoSWDev) (Workshop at FSE 2014), pp.100-105 (2014).
- Takuya Fukamachi, Naoyasu Ubayashi, Di Ai, Peiyuan Li, Yu Ning Li, Shintaro Hosoi, and Yasutaka Kamei: Uncertainty-aware Architectural Interface, 9th International Workshop on Advanced Modularization Techniques (AOAsia/Pacific 2014) (Workshop at FSE 2014), pp.4-6 (2014).
- Changyun Huang, Naoyasu Ubayashi, and Yasutaka Kamei: Towards Language-Oriented Software Development, 2nd International Workshop on Open and Original Problems in Software Language Engineering (OOP-SLE 2014) (Workshop at CSMR-WCRE 2014), pp.20-23 (2014).
- Kazuhiro Yamashita, Yasutaka Kamei, Kenji Hisazumi, and Naoyasu Ubayashi: E-CUBE: An Analysis Tool to Support Three Types of Evolution in Mining Software Repositories, 2013 International Workshop on ICT (2013).
- Changyun Huang, Yasutaka Kamei, Kazuhiro Yamashita, and Naoyasu Ubayashi: Using Alloy to Support Feature-Based DSL Construction for Mining Software Repositories, 5th International Workshop on Model-driven Approaches in Software Product Line Engineering; 4th Workshop on Scalable Modeling Techniques for Software Product Lines (MAPLE/SCALE 2013) (Workshop at SPLC 2013), pp.86-89 (2013).
- Naoyasu Ubayashi, Ai Di, and Yasutaka Kamei: Archface4COP: Architectural Interface for Context-Oriented Programming, 5th Workshop on Context-Oriented Programming (COP 2013) (Workshop at ECOOP 2013) (2013).
- Changyun Huang, Kazuhiro Yamashita, Yasutaka Kamei, Kenji Hisazumi, and Naoyasu Ubayashi: Domain Analysis for Mining Software Repositories—Towards Feature-based DSL Construction—, 4th International Workshop on Product Line Approaches in Software Engineering (PLEASE 2013) (Workshop at ICSE 2013), pp.41-44 (2013).

- Naoyasu Ubayashi and Yasutaka Kamei: Design Module: A Modularity Vision Beyond Code —Not Only Program Code But Also a Design Model Is a Module—, 5th International Workshop on Modelling in Software Engineering (MiSE 2013) (Workshop at ICSE 2013), pp.44-50 (2013).
- Akinori Ihara, Yasutaka Kamei, Akito Monden, Masao Ohira, Jacky Wai Keung, Naoyasu Ubayashi, and Ken-ichi Matsumoto: An Investigation on Software Bug Fix Prediction for Open Source Software Projects -A Case Study on the Eclipse Project -, International Workshop on Software Analysis, Testing and Applications (SATA 2012) (Workshop at APSEC 2012), pp.112-119 (2012).
- Naoyasu Ubayashi and Yasutaka Kamei: UML4COP: UML-based DSML for Context-Aware Systems, 12th Workshop on Domain-Specific Modeling (DSM 2012) (Workshop at SPLASH 2012) (2012).
- Hiroki Nakamura, Rina Nagano, Kenji Hisazumi, Yasutaka Kamei, Naoyasu Ubayashi, and Akira Fukuda: QORAL: An External Domain-Specific Language for Mining Software Repositories, 4th International Workshop on Empirical Software Engineering in Practice (IWESEP 2012) (2012).
- Naoyasu Ubayashi and Yasutaka Kamei: Archpoint and Archmapping - Bidirectional Traceability between Design and Code -, Korea-Japan Joint Workshop on ICT (2012).
- Naoyasu Ubayashi and Yasutaka Kamei: Verifiable Architectural Interface for Supporting Model-Driven Development with Adequate Abstraction Level, 4th International Workshop on Modelling in Software Engineering (MiSE 2012) (Workshop at ICSE 2012), pp.15-21 (2012).
- Naoyasu Ubayashi and Yasutaka Kamei: Architectural Point Mapping for Design Traceability, 11th Workshop on Foundations of Aspect-Oriented Languages (FOAL 2012) (Workshop at AOSD 2012), pp.39-43 (2012).
- Shizuka Uchio, Naoyasu Ubayashi, and Yasutaka Kamei: CJAdviser: SMT-based Debugging Support for ContextJ\*, 3rd Workshop on Context-Oriented Programming (COP 2011) (Workshop at ECOOP 2011) (2011).
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- Shin Nakajima, Keiji Hokamura, and Naoyasu Ubayashi: Aspect-Oriented Development of PHP-based Web Applications, 4th IEEE International

Workshop on Quality Oriented Reuse of Software (QUORS 2010) (Workshop at COMPSAC 2010), pp.37-44 (2010).

- Naoyasu Ubayashi, Hidenori Akatoki, and Jun Nomura: Pointcut-based Architectural Interface for Bridging a Gap between Design and Implementation, In *Proceedings of 6th ECOOP 2009 Workshop on Reflection, AOP and Meta-Data for Software Evolution (RAM-SE'09)* (2009).
- Shin Nakajima, Naoyasu Ubayashi, and Keiji Hokamura: Runtime Monitoring of Cross-cutting Policy, In *Proceedings of Early Aspects at ICSE: Aspect-Oriented Requirements Engineering and Architecture Design (EA 2009)* (Workshop at ICSE 2009) (2009).
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- Shin Nakajima and Naoyasu Ubayashi: Lightweight Formal Analysis of FODA Feature Diagrams, In *Proceedings of the 4th International Workshop on Rapid Integration of Software Engineering techniques (RISE 2007)*, pp.3-18 (2007).
- Naoyasu Ubayashi, Yusaku Maeno, Kazuhide Noda, and Genya Otsubo: A Verification Mechanism for Weaving in Extensible AOM Languages, In *Proceedings of the 2nd International Workshop on Aspects, Dependencies and Interactions (ADI'07)* (Workshop at ECOOP 2007), pp.36-41 (2007).
- Naoyasu Ubayashi, Shinji Sano, and Genya Otsubo: A Reflective Aspect-oriented Model Editor Based on Metamodel Extension, Workshop on Modeling in Software Engineering (MISE 2007) (Workshop at ICSE 2007) (2007). [acceptance rate: 12 of 29 (41%)]
- Naoyasu Ubayashi, Akihiro Sakai, and Tetsuo Tamai: An Interface Mechanism for Encapsulating Weaving in Class-based AOP, Software Engineering Properties of Language and Aspect Technologies (SPLAT 2007) (Workshop at AOSD 2007) (2007).
- Suguru Shinotsuka, Naoyasu Ubayashi, Hideaki Shinomi, and Tetsuo Tamai: An Extensible Contract Verifier for AspectJ, In *Proceedings of the 2nd Asian Workshop on Aspect-Oriented Software Development (AOAsia 2)* (Workshop at ASE 2006), pp.35-40 (2006).
- Naoyasu Ubayashi and Shin Nakajima: Separation of Context Concerns — Applying Aspect Orientation to VDM, Second Overture (Open Source Formal Methods Tools) Workshop (Workshop at FM'06) (2006).

- Naoyasu Ubayashi, Tetsuo Tamai, Shinji Sano, Yusaku Maeno, and Satoshi Murakami: Model Evolution with Aspect-Oriented Mechanisms, In *Proceedings of International Workshop on Principles of Software Evolution (IWPSE 2005)* (Workshop at ESEC/FSE 2005), IEEE Computer Society, pp.187-194 (2005). [acceptance rate: 13 of 54 (24%)]
- Naoyasu Ubayashi and Tetsuo Tamai: Concern Management for Constructing Model Compilers, In *Proceedings of the 1st International Workshop on the Modeling and Analysis of Concerns in Software (MACS 2005)* (Workshop at ICSE 2005), *ACM SIGSOFT Software Engineering Notes*, vol.30, issue 4 (2005).
- Tetsuo Tamai, Naoyasu Ubayashi, and Ryoichi Ichiyama: An Adaptive Object Model with Dynamic Role Binding, In *Proceedings of Workshop on New Approaches to Software Construction (WNASC 2004)*, pp.103-121 (2004).
- Naoyasu Ubayashi, Hidehiko Masuhara, and Tetsuo Tamai: An AOP Implementation Framework for Extending Join Point Models, In *Proceedings of the ECOOP'2004 Workshop on Reflection, AOP and Meta-Data for Software Evolution (RAM-SE'04)*, pp.71-81 (2004).

## 6 Non-Referred Workshop Presentation

- Ryosuke Nakashiro, Yasutaka Kamei, Naoyasu Ubayashi, Shin Nakajima, and Akihito Iwai: Verification of BPEL Workflows Design using Model Checking, Joint Workshop on Software Science and Engineering, pp.7-10 (2011).
- Naoyasu Ubayashi, Jun Nomura, and Tetsuo Tamai: Archface: A Contract Place Where Architectural Design and Code Meet Together (ICSE 2010 paper [Presentation only]), AOAsia/Pacific'10 (2010).