

Curriculum Vitae (as of 22 April 2017)

Full name: Hironori Washizaki
Nationality: Japan
Birth year: 1976
Gender: Male
Address: Waseda University, 3-4-1 Okubo, Shinjuku-ku,
Tokyo 169-8555, Japan
Phone/FAX: +81-3-5286-3272
Email: washizaki@waseda.jp
Web: http://www.washi.cs.waseda.ac.jp/?page_id=2



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Educational Background

Month/Date/Year

(Beginning and completion dates of bachelor's degree)
(Name of university, college or school and department)

4/1/1995–3/15/1999 Waseda University, School of Science and Engineering,
Department of Information and Computer Science

(Beginning and completion dates of master's degree)
(Name of university, graduate school, department and
title of thesis)

4/1/1999–3/15/2001 Waseda University, University of Pennsylvania
Graduate School of Science and Engineering
Department of Information and Computer Science
Thesis title: A Study on Improving Reusability of
Software Components (in Japanese)

(Beginning and completion dates of doctorate)
(Name of university, graduate school, department and
degree and date awarded, and dissertation title)

4/1/2001–3/24/2003 Waseda University
Graduate School of Science and Engineering
Department of Information and Computer Science
Doctor of Information and Computer Science, 3/24/2003
Dissertation title:
A Study on Realization of Component-based
Software Development Technology

Employment Record

Month/Date/Year

4/1/2002-3/31/2004 Research Associate, Waseda University
4/1/2004-3/31/2008 Assistant Professor, National Institute of Informatics
4/1/2008-3/31/2016 Associate Professor, Waseda University
4/1/2008-3/31/2016 Visiting Associate Professor, National Institute of Informatics
10/1/2015-12/19/2015 Visiting professor, Ecole Polytechnique de Montreal
12/22/2015-to present Director, SYSTEM INFORMATION CO.,LTD.
4/1/2016-to present Professor, Waseda University
4/1/2016-to present Visiting Professor, National Institute of Informatics

Current Employer and Position

Professor, Faculty of Science and Engineering, Waseda University
Head, Global Software Engineering Laboratory, Waseda University
Visiting Professor, National Institute of Informatics
Director, SYSTEM INFORMATION CO.,LTD.

Field of Specialization

Systems and Software Engineering, Software Design, Software Reuse,
Software Quality Assurance, Systems and Software Processes,
Systems and Software Engineering Education, Programming Education,
Requirements Engineering

Journal Publications

1. Hironori Washizaki, Junko Shirogane, and Yoshiaki Fukazawa, "The mechanism of the Model-View Separation architecture BeaM and its evaluation," Journal of Information Processing Society of Japan, Vol.42, No.10, pp2452-2465, 2001. (in Japanese)
2. Hironori Washizaki, Mai Motomura, and Yoshiaki Fukazawa, "Software Component Trial System and Its Evaluation," Computer Software, Vol.19, No.1, pp44-48, 2002. (in Japanese)

3. Hironori Washizaki, and Yoshiaki Fukazawa, "Component Retrieval Method Based on Directed Replaceability Similarity and Its Evaluation," *Journal of Information Processing Society of Japan*, Vol.43, No.6, pp1638-1653, 2002. (in Japanese)
4. Yuhki Sakai, Hironori Washizaki, and Yoshiaki Fukazawa, "Conditional Test Technique for Fine-grained Component Environment," *Computer Software*, Vol.19, No.5, pp26-39, 2002. (in Japanese)
5. Hirokazu Yamamoto, Hironori Washizaki, and Yoshiaki Fukazawa, "Component Metrics based on the Component Reusability and its Evaluation," *Computer Software*, Vol.19, No.5, pp13-25, 2002. (in Japanese)
6. Hironori Washizaki, and Yoshiaki Fukazawa, "Dynamic Hierarchical Undo Facility in a Fine-Grained Component Environment," *Journal of Information Processing Society of Japan*, Vol.44, No.1, pp143-155, 2003. (in Japanese)
7. Atsuto Kubo, Hironori Washizaki, Atsuhiko Takasu, and Yoshiaki Fukazawa, "Analyzing Relationship between Patterns in Documents based on Document Similarity," *DBSJ Letters*, Vol.3, No.3, 2004. (in Japanese)
8. Hironori Washizaki, and Yoshiaki Fukazawa, "Component Extraction based on Object-Oriented Class Relation Analysis," *Computer Software*, Vol.21, No.2, pp37-43, 2004. (in Japanese)
9. Hironori Washizaki, and Yoshiaki Fukazawa, "A Technique for Automatic Component Extraction from Object-Oriented Programs by Refactoring," *Science of Computer Programming*, Vol.56, No.1-2, pp99-116, 2005.
10. Hironori Washizaki, Mai Motomura, and Yoshiaki Fukazawa, "A Web-based Trial Execution System for Software Components," *WSEAS Transactions on Computers*, Issue 3, Vol.4, pp319-326, 2005.
11. Hironori Washizaki, and Yoshiaki Fukazawa, "A Component-Extraction-based Program Reuse System," *WSEAS Transactions on Information Science and Applications*, Vol.4, No.2, pp.349-355, 2005.
12. Hironori Washizaki, Daiki Hoshi, and Yoshiaki Fukazawa, "A Flexible Connection Model for Software Components," *IEICE Transactions on Information and Systems*, Vol.E89-D, No.4, pp.1421-1431, 2006.
13. Thepparit Banditwattanawong, Soichiro Hidaka, Hironori Washizaki and Katsumi Maruyama, "Optimization of Program Loading by Object Class Clustering", *IEEJ Transactions on Electrical and Electronic Engineering*, Vol.1, No.4, pp.397-407, John Wiley & Sons, 2006.
14. Thepparit Banditwattanawong, Soichiro Hidaka, Hironori Washizaki and Katsumi Maruyama, "Cluster Replication for Distributed Java-Object Caching," *IEICE Transactions on Information and Systems*, Vol.E89-D, No.11, pp.2712-2723, 2006.
15. Hironori Washizaki, Satoru Takano, and Yoshiaki Fukazawa, "A System for Visualizing Binary Component-based Software Structure with Component Functional Size," *WSEAS Transactions on Information Science and Applications*, Vol.7, No.3, pp.1222-1230, 2006.

16. Atsuto Kubo, Hironori Washizaki, Atsuhiko Takasu, and Yoshiaki Fukazawa, "Extracting Relations among Embedded Software Design Patterns," *Journal of Integrated Design and Process Science*, Vol.9, No.3, pp.39-52, 2006.
17. Hironori Washizaki, Rieko Namiki, Tomoyuki Fukuoka, Yoko Harada, Hiroyuki Watanabe, "A Practical Framework for Quality Evaluation of Program Source Code," *Journal of Information Processing Society of Japan*, Vol.48, No.8, pp.2637-2650, 2007. (in Japanese)
18. Hironori Washizaki, Yasuhide Kobayashi, Hiroyuki Watanabe, Eiji Nakajima, Yuji Hagiwara, Kenji Hiranabe, and Kazuya Fukuda, "Quality Evaluation of Embedded Software in Robot Software Design Contest," *Progress in Informatics*, Vol.4, pp.63-78, 2007.
19. Thepparit Banditwattanawong, Soichiro Hidaka, Hironori Washizaki and Katsumi Maruyama, "SOOM: Scalable Object-Oriented Middleware for Cooperative and Pervasive Computings", *IEICE Transactions on Communications*, Vol.E90-B, No.4, pp.728-741, 2007.
20. Hiroyuki Nakayama, Atsuto Kubo, Hironori Washizaki, Yoshiaki Fukazawa, "A Search System for Software Patterns based on Pattern Rank," *Computer Software*, Vol.25, No.2, pp.114-134, 2008. (in Japanese)
21. Nobukazu Yoshioka, Hironori Washizaki, Katsuhisa Maruyama, "A survey on security patterns," *Progress in Informatics*, No.5, pp.35-47, 2008.
22. Susumu Kariyuki, Atsuto Kubo, Mikio Suzuki, Hironori Washizaki and Yoshiaki Fukazawa, "A Technique for Supporting Comprehensive Acceptance-Test based on the Inter-Use Case Relations," *IPSJ Journal*, Vol.50, No.12, pp.1-24, 2009. (in Japanese)
23. Hironori Washizaki, Kazuhiro Fukaya, Atsuto Kubo, Yoshiaki Fukazawa, "Detecting Design Patterns Using Source Code of Before Applying Design Patterns," *Computer Software*, Vol.27, No.2, pp136-141, 2010. (in Japanese)
24. Akira Ohashi, Atsuto Kubo, Tomohiko Mizumachi, Kazuki Eguchi, Shinichi Murakami, Ryuichi Takahashi, Hironori Washizaki, Yoshiaki Fukazawa, Hideyuki Kanuka, Toshihiro Kodaka, Rieko Yamamoto, Youichi Nagai, Nobukazu Yoshioka, Fuyuki Ishikawa, Hisashi Ikari, "AOJS:Aspect-Oriented Programming Framework for JavaScript," *Computer Software*, Vol.28, No.3, pp114-131, 2011. (in Japanese)
25. Kazunori Sakamoto, Fuyuki Ishikawa, Hironori Washizaki, and Yoshiaki Fukazawa, "Open Code Coverage Framework: A Framework for Consistent, Flexible and Complete Measurement of Test Coverage Supporting Multiple Programming Languages," *IEICE Transactions on Information and Systems*, Vol.E94-D, No.12, pp.2418-2430, 2011.
26. Hironori Washizaki, Kazunori Sakamoto, Naoki Ohsugi, Katsuhiko Gondow, Satoshi Hattori, Kubo Atsuto, Takashi Kobayashi, Mika Ohtsuki, Katsuhisa Maruyama, Akira Sakakibara, "Software Engineering Approaches for Design Patterns," *Computer Software*, Vol.29, No.1, pp.1_130-1_146, 2012. (in Japanese)
27. Kazunori Sakamoto, Akira Ohashi, Hironori Washizaki and Yoshiaki Fukazawa, "A Framework for Game Software Which Users Play through Artificial Intelligence

- Programming,” IEICE Transactions on Information and Systems, Vol. J95-D, No. 3, pp. 412-424, 2012. (in Japanese)
28. Yuta Maezawa, Hironori Washizaki and Shinichi Honiden, “Supporting to Find Faults Relating to Interactions in Rich Internet Applications,” IPSJ Journal, Vol. 54, No. 2, pp. 820-834, 2013. (in Japanese)
 29. Kazunori Sakamoto, Akira Ohashi, Daichi Ota, Hironori Washizaki and Yoshiaki Fukazawa, “UNICOEN: A Unified Framework for Code Engineering Supporting Multiple Programming Languages,” IPSJ Transactions on Programming, Vol. 54, No. 2, p. 945-960, 2013. (in Japanese)
 30. Toshiyuki Nakano, Masashi Kadoya, Shota Suzuki, Hironori Washizaki, Yoshiaki Fukazawa, Eiichi Hanyuda, Masanari Motohashi and Tetsuya Mikami, “Extending Pattern Languages employed Structuring Pattern,” IEICE Transactions on Information and Systems, Vol. J96-D, No. 11, pp. 2705-2709, 2013. (in Japanese)
 31. Hiroki Itoh, Hiroyuki Tanabe, Rieko Namiki, Hironori Washizaki, Yoshiaki Fukazawa, “Traceability Measurement and Improvement via Recovering Traceability Links,” Computer Software, Vol. 30, No. 3, pp. 3_123-3_129, 2013. (in Japanese)
 32. Shota Inaga, Hironori Washizaki, Yusuke Yoshida, Katsuhiko Kakehi, Yoshiaki Fukazawa, Shoso Yamato, Masashi Okubo, Manabu Tamaki, “Relationships between Team Organization and Education Effects in Practical Lecture on Information Systems Development,” Journal of JSEE, Vol. 61, No. 5, pp. 88-93, 2013. (in Japanese)
 33. Tomoyuki Kamiya, Kazunori Sakamoto, Hironori Washizaki and Yoshiaki Fukazawa, “Refactoring Script: A script for composite refactoring and its processor,” IPSJ Transactions on Programming, Vol. 6, No. 3, pp. 33-45, 2013.
 34. Daisuke Shimbara, Hideto Ogawa, Hironori Washizaki, “Selection Method for System Configuration for System Testing Using Feature Analysis and SAT Solver,” IPSJ Journal, Vol. 55, No. 2, pp. 922-938, 2014. (in Japanese)
 35. Takanori Kobashi, Nobukazu Yoshioka, Haruhiko Kaiya, Hironori Washizaki, Takao Okubo, Yoshiaki Fukazawa, “Validating Security Design Pattern Applications by Testing Design Models,” International Journal of Secure Software Engineering, Vol. 5, Issue 4, pp. 1-30, 2014.
 36. Satoru Uchiyama, Atsuto Kubo, Hironori Washizaki, Yoshiaki Fukazawa, “Detecting Design Patterns in Object-Oriented Program Source Code by using Metrics and Machine Learning”, Special Issue on Design Patterns, Journal of Software Engineering and Applications, Vol. 7, No. 12, pp. 983-998, 2014.
 37. Shohei Aoi, Kazunori Sakamoto, Hironori Washizaki, Yoshiaki Fukazawa, “DePoT: Testing Framework for Web Application Test,” IPSJ Journal, Vol. 56, No. 3, pp. 835-846, 2015. (in Japanese)
 38. Ryosuke Tsuchiya, Hironori Washizaki, Yoshiaki Fukazawa, Tadahisa Kato, Masumi Kawakami and Kentaro Yoshimura, Recovering Traceability Links between Requirements and Source Code using the Configuration Management Log,” IEICE Transactions on Information and Systems, Vol. 98-D, No. 4, pp. 852-862, 2015.
 39. Kazunori Sakamoto, Kiyoshi Honda, Kazuki Otomori, Shohei Yamazaki, Machiko Hattori, Yuma Matsuura, Koichi Takano, Hironori Washizaki, Yoshiaki Fukazawa,

- “Manneko Dance: Learning Programming by Imitating Dance,” *Computer Software*, Vol. 32, No. 4, pp. 74–92, 2015. (in Japanese)
40. Ryohei Takasawa, Kazunori Sakamoto, Hironori Washizaki, Yoshiaki Fukazawa, “RepositoryProbe: A Tool for Building Repository Mining Dataset,” *Computer Software*, Vol. 32, No. 4, pp. 103–114, 2015. (in Japanese)
 41. Frederik Nakstad, Hironori Washizaki, Yoshiaki Fukazawa, “Finding and Emulating Keyboard, Mouse, and Touch Interactions and Gestures while Crawling RIAs,” *International Journal of Software Engineering and Knowledge Engineering (IJSEKE)*, Volume 25, Issue 9–10, pp. 1777–1781, November & December 2015.
 42. Ryushi Shiohama, Hironori Washizaki, Shin Kuboaki, Kazunori Sakamoto and Yoshiaki Fukazawa, Investigating the relationship between project constraints and appropriate iteration length in agile development through simulations, *International Journal of Computer Applications in Technology (IJCAT)*, Vol. 54, No. 4, pp. 311–322, 2016. (ESCI, DBLP indexed)
 43. Yusuke Sunaga, Hironori Washizaki, Katsuhiko Kakehi, Yoshiaki Fukazawa, Shoso Yamato, and Masashi Okubo, “Relation between Combinations of Personal Characteristic Types and Educational Effectiveness for a Controlled Project-based Learning Course,” *IEEE Transactions on Emerging Topics in Computing*, Vol. PP, No. 99, 2016. (SCIE, DBLP Indexed)
 44. Eduardo B. Fernandez, Nobukazu Yoshioka, Hironori Washizaki, Madiha H. Syed, “Modeling and Security in Cloud Ecosystems,” *Future Internet*, Special Issue Security in Cloud Computing and Big Data, Vol. 8, No. 13(2), pp. 1–15, 2016. (ESCI, DBLP Indexed)
 45. Masatoshi Yoshizawa, Hironori Washizaki, Yoshiaki Fukazawa, Takao Okubo, Haruhiko Kaiya and Nobukazu Yoshioka, “Implementation Support of Security Design Patterns Using Test Templates,” *Information*, Special Issue on Evaluating the Security of Complex Systems, Vol. 7, No. 2(34), pp. 1–19, 2016. (ESCI, DBLP Indexed)
 46. Takanobu KOBORI, Hironori WASHIZAKI, Yoshiaki FUKAZAWA, Daisuke HIRABAYASHI, Katsutoshi SHINTANI, Yasuko OKAZAKI, and Yasuhiro KIKUSHIMA, “Exhaustive and efficient identification of rationales using GQM+Strategies with stakeholder relationship analysis,” *IEICE Transactions on Information and Systems*, Vol. E99-D, No. 9, pp. 2219–2228, 2016. (SCIE, DBLP indexed)
 47. Kiyoshi Honda, Hironori Washizaki and Yoshiaki Fukazawa, “Generalized Software Reliability Model Considering Uncertainty and Dynamics: Model and Applications,” *International Journal of Software Engineering and Knowledge Engineering (IJSEKE)*, 2017. (to appear) (SCIE, DBLP Indexed)
 48. Rizki Amelia, Hironori Washizaki, Yoshiaki Fukazawa, Keishi Oshima, Ryota Mibe, Ryosuke Tsuchiya, “An Empirical Study on Relationship Between Requirement Traceability Links and Bugs,” *Journal of software (JSW)*, 2017. (DBLP Indexed)

International Conference/Workshop Presentations

49. Hironori Washizaki, Junko Shirogane, and Yoshiaki Fukazawa, "A Light-Weight Broker for GUI Applications," Proc. of the International Workshop on Domain Oriented Systems Development (DOSD1999) in Asia-Pacific Software Engineering Conference (APSEC'99), December 1999.
50. Hironori Washizaki, Junko Shirogane, and Yoshiaki Fukazawa, "The Model-View Separation Architecture BeaM and its Evaluation," Proc. of the 4th Joint Conference on Knowledge-Based Software Engineering (JCKBSE2000), Frontiers in Artificial Intelligence and Applications, IOS Press, pp115-122, September 2000.
51. Hironori Washizaki, and Yoshiaki Fukazawa, "Retrieving Software Components Using Directed Replaceability Distance," Proc. of the 3rd International Conference on Generative and Component-Based Software Engineering (GCSE2001), Springer-Verlag, Lecture Notes in Computer Science, Vol.2186, pp153-162, September 2001.
52. Hironori Washizaki, and Yoshiaki Fukazawa, "Dynamic Hierarchical Undo Facility in a Fine-Grained Component Environment," 40th International Conference on Technology of Object-Oriented Languages and Systems (TOOLS Pacific 2002), pp191-199, February 2002.
53. Hironori Washizaki, and Yoshiaki Fukazawa, "A Retrieval Technique for Software Components Using Directed Replaceability Similarity," Proc. of the 8th International Conference on Object-Oriented Information Systems (OOIS'02), Springer-Verlag, Lecture Notes in Computer Science, Vol.2425, pp298-310, September 2002.
54. Hironori Washizaki, Hirokazu Yamamoto, and Yoshiaki Fukazawa, "Software Component Metrics and It's Experimental Evaluation," Proc. of the International Symposium on Empirical Software Engineering (ISESE 2002), Vol.II, IEEE CS, pp19-20, October 2002.
55. Hironori Washizaki, Mai Motomura, and Yoshiaki Fukazawa, "Web-based Software Component Trial System and its Evaluation," Proc. of the 6th IASTED International Conference on Software Engineering and Applications (SEA'02), pp305-310, November 2002.
56. Hironori Washizaki, and Yoshiaki Fukazawa, "Automated Extract Component Refactoring," Proc. of the 4th International Conference on eXtreme Programming and Agile Processes in Software Engineering (XP2003), Springer-Verlag, Lecture Notes in Computer Science, pp328-330, May 2003.
57. Hironori Washizaki, Hirokazu Yamamoto, and Yoshiaki Fukazawa, "A Metrics Suite for Measuring Reusability for Software Components," Proc. of the 9th IEEE International Symposium on Software Metrics (Metrics 2003), IEEE CS, pp211-223, September 2003.
58. Hironori Washizaki, and Yoshiaki Fukazawa, "Extracting Components from Object-Oriented Programs for Reuse in Memory-Constrained Environments," Proc. of First Workshop on Reuse in Constrained Environments (RICE'03) at the 18th

- Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2003), pp1-3, October 2003.
59. Hironori Washizaki, Yuhki Sakai, and Yoshiaki Fukazawa, "A Conditional Test Suite for Fine-Grained Software Components," Proc. of the 2nd ACIS International Conference on Software Engineering Research, Management and Applications (SERA2004), May 2004.
 60. Hironori Washizaki, Yuhki Sakai, and Yoshiaki Fukazawa, "Conditional Test for JavaBeans Components," Proc. of the 5th International Conference on Extreme Programming and Agile Processes in Software Engineering (XP2004), Springer-Verlag, Lecture Notes in Computer Science, Vol. 3092, pp282-283, June 2004.
 61. Hironori Washizaki, and Yoshiaki Fukazawa, "Component-Extraction-based Search System for Object-Oriented Programs," Proc. of the 8th International Conference on Software Reuse (ICSR 8th), Springer Verlag, Lecture Notes in Computer Science, Vol. 3107, pp254-263, July 2004.
 62. Hironori Washizaki, and Yoshiaki Fukazawa, "Search and Trial Execution System for OO Programs by Component Extraction," Proc. of the 6th Joint Conference on Knowledge-Based Software Engineering (JCKBSE2004), Frontiers in Artificial Intelligence and Applications, IOS Press, August 2004.
 63. Hironori Washizaki, and Yoshiaki Fukazawa, "A Search System for Object-Oriented Programs by using Extracted Components," Proc. of Workshop on New Approaches to Software Construction (WNASC 2004), pp141-152, September 2004.
 64. Hironori Washizaki, and Yoshiaki Fukazawa, "A Search System for Java Programs by using Extracted JavaBeans Components," Companion to the 19th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA 2004), pp200-201, October 2004.
 65. Hironori Washizaki, and Yoshiaki Fukazawa, "A Technique of Transforming parts of Object-Oriented Class Library into Structurally Reusable Components, and Its Application," Proc. of the Software Transformation Systems Workshop, pp39-40, 2004.
 66. Hironori Washizaki, and Yoshiaki Fukazawa, "A Model-View Separation Architecture for GUI Application Components", Proc. of the International Conference on Information Technology: Coding and Computing 2005 (ITCC 2005), pp359-364, April 2005.
 67. Atsuto Kubo, Hironori Washizaki, Atsuhiko Takasu, and Yoshiaki Fukazawa, "Analyzing Relations among Software Patterns based on Document Similarity", Proc. of the International Conference on Information Technology: Coding and Computing 2005 (ITCC 2005), pp298-303, April 2005.
 68. Hironori Washizaki, and Yoshiaki Fukazawa, "Safe Component Extension for Adding Domain-Independent Services", Proc. of the IADIS Software Engineering and Applications 2005 Conference (SEA2005), pp399-405, April 2005.
 69. Hironori Washizaki, Atsuto Kubo, Atsuhiko Takasu, and Yoshiaki Fukazawa, "Relation Analysis among Patterns on Software Process Improvement", Proc. of the

- 6th International Conference on Product Focused Software Process Improvement (PROFES 2005), LNCS Vol. 3547, pp299–313, Jun 2005.
70. Atsuto Kubo, Hironori Washizaki, Atsuhiko Takasu, and Yoshiaki Fukazawa, "Extracting Relations among Embedded Software Design Patterns", Proc. of the 8th International Conference on Integrated Design and Process Technology (IDPT2005), pp73–80, June 2005.
 71. Thepparit Banditwattanawong, Katsumi Maruyama, Soichiro Hidaka, and Hironori Washizaki, "Contemporaneity-Conscious Clustering Algorithm for Distributed Object Caching", Proc. of the 2005 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'05), June 2005.
 72. Thepparit Banditwattanawong, Katsumi Maruyama, Soichiro Hidaka, and Hironori Washizaki, "Proxy-and-Hook: A Java-based Distributed Object Caching Framework", Proc. of the 3rd International IEEE Conference on Industrial Informatics (INDIN 2005), pp819–824, August 10–12, 2005.
 73. Hironori Washizaki, Takao Adachi and Yoshiaki Fukazawa, "Generating Wizards for Software Components by Dynamic Analysis" Proceedings of the Workshop on New Approaches to Software Construction (WNASC2005), September 2005.
 74. Hironori Washizaki, Shinichi Honiden, Rieko Yamamoto, Takao Adachi, and Yoshiaki Fukazawa, "Automatic Generation of Software Component Wizards based on the Wizard Pattern", Proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCS2'05), pp11–18, December 2005.
 75. Hironori Washizaki, Yasuhide Kobayashi, Hiroyuki Watanabe, Eiji Nakajima, Yuji Hagiwara, Kenji Hiranabe, and Kazuya Fukuda, "Experiments on Quality Evaluation of Embedded Software in Japan Robot Software Design Contest," Proceedings of the 28th IEEE/ACM International Conference on Software Engineering (ICSE 2006), pp. 551–560, 2006.
 76. Hironori Washizaki, "Building Software Process Line Architectures from Bottom Up", Proc. of the 7th International Conference on Product Focused Software Process Improvement (PROFES 2006), Springer LNCS, Vol. 4034, pp. 415–421, June 2006.
 77. Hironori Washizaki, Tomoki Nakagawa, Yuhki Saito and Yoshiaki Fukazawa, "Measuring Complexity of Remote Component-Based Software System Toward Maintainability Estimation", International e-Conference on Computer Science 2006 (IeCCS 2006), July 2006.
 78. Hironori Washizaki, "Deriving Project-Specific Processes from Process Line Architecture with Commonality and Variability", Proc. 4th International IEEE Conference on Industrial Informatics (INDIN'06), August 2006.
 79. Thepparit Banditwattanawong, Soichiro Hidaka, Hironori Washizaki and Katsumi Maruyama, "Fine-grained Replication for Private-workspace and Memory-constrained Computings", Proc. of IFIP Int. Conf. on Network and Parallel Computing (NPC 2006), pp. 84–92, Oct. 2006.
 80. Thepparit Banditwattanawong, Soichiro Hidaka, Hironori Washizaki and Katsumi Maruyama, "Partial and On-demand Incremental Deployment of Java Application

- Program over the Internet”, Proc. of IEEE Int. Symposium on Communications and Information Technologies (ISCIT 2006), Oct. 2006.
81. Hironori Washizaki, Tomoki Nakagawa, Yuhki Saito and Yoshiaki Fukazawa, “A Coupling-based Complexity Metric for Remote Component-based Software Systems Toward Maintainability Estimation”, 13th Asia-Pacific Software Engineering Conference (APSEC’06), IEEE CS, pp.11-18, 2006.
 82. Yuji Sakata, Kazutoshi Yokoyama, Hironori Washizaki and Yoshiaki Fukazawa, “A precise estimation technique for test coverage of components in object-oriented frameworks”, 13th Asia-Pacific Software Engineering Conference (APSEC’06), IEEE CS, pp.79-86, 2006.
 83. Shinichi Honiden, Yasuyuki Tahara, Nobukazu Yoshioka, Kenji Taguchi, and Hironori Washizaki, “Top SE: Educating Superarchitects Who Can Apply Software Engineering Tools to Practical Development in Japan,” Proc. 29th IEEE/ACM International Conference on Software Engineering (ICSE 2007), pp.708-717, 2007.
 84. Hironori Washizaki, Rieko Namiki, Tomoyuki Fukuoka, Yoko Harada, and Hiroyuki Watanabe, “A Framework for Measuring and Evaluating Program Source Code Quality”, Proc. of the 8th International Conference on Product Focused Software Development and Process Improvement (PROFES 2007), Springer LNCS, Vol. 4589, pp.284-299, 2007.
 85. Hironori Washizaki, Takao Adachi and Yoshiaki Fukazawa, “Generating Wizards for Initializing Software Components,” Proc. IEEE 7th International Conference on Computer and Information Technology, IEEE CS, 2007.
 86. Atsuto Kubo, Hironori Washizaki and Yoshiaki Fukazawa, A Metric for Measuring the Abstraction Level of Design Patterns, 14th Conference on Pattern Languages of Programs (PLoP 2007), 2007.
 87. Atsuto Kubo, Hironori Washizaki, Yoshiaki Fukazawa, “Automatic Extraction and Verification of Page Transitions in a Web Application,” 14th Asia-Pacific Software Engineering Conference (APSEC’07), IEEE CS, pp.350-357, 2007.
 88. Atsuto Kubo, Hironori Washizaki, Yoshiaki Fukazawa, “Extracting Relations among Security Patterns,” 1st International Workshop on Software Patterns and Quality (SPAQu’07), 2007.
 89. Eduardo B. Fernandez, Nobukazu Yoshioka, Hironori Washizaki, Jan Jurjens, “Using security patterns to build secure systems,” 1st International Workshop on Software Patterns and Quality (SPAQu’07), 2007.
 90. Hironori Washizaki, Atsuto Kubo, Yoshiaki Fukazawa, “Measuring Abstraction Levels of Security Patterns,” 1st International Workshop on Software Patterns and Quality (SPAQu’07), 2007.
 91. Kazuhiro Fukaya, Atsuto Kubo, Hironori Washizaki, Yoshiaki Fukazawa, “Design Pattern Detection Using Source Code of Before Applying Design Patterns,” 1st International Workshop on Software Patterns and Quality (SPAQu’07), 2007.
 92. Hironori Washizaki, Hiroki Hiraguchi and Yoshiaki Fukazawa, “A Metrics Suite for Measuring Quality Characteristics of JavaBeans Components,” Proc. 9th

- International Conference on Product-Focused Software Process Improvement (Profes 2008), Springer LNCS, Vol. 5089, pp. 45-60, 2008.
93. Eduardo Fernandez, Hironori Washizaki, Nobukazu Yoshioka, Atsuto Kubo, Yoshiaki Fukuzawa, Classifying security patterns, The 10th Asia Pacific Web Conference (APWeb2008), Shenyang, China, April 26-28, 2008.
 94. Atsuto Kubo, Hiroyuki Nakayama, Hironori Washizaki, Yoshiaki Fukazawa, PatternRank: A Software-Pattern Search System Based on Mutual Reference Importance, 15th Pattern Languages of Programming (PLOP2008), Nashville, USA, 18-20 October 2008.
 95. Eduardo B. Fernandez, Jan Ju"rjens, Nobukazu Yoshioka, Hironori Washizaki: Incorporating Database Systems into a Secure Software Development Methodology. Second International Workshop on Secure Systems Methodologies Using Patterns - SPattern'08, Proc. DEXA Workshops 2008: pp. 310-314, 1-5 September 2008
 96. Yijun Yu, Haruhiko Kaiya, Hironori Washizaki, Yingfei Xiong, Zhenjiang Hu, Nobukazu Yoshioka: Enforcing a security pattern in stakeholder goal models, 4th ACM Workshop on Quality of Protection (QoP'08), Alexandria VA, USA, Oct. 27, 2008.
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 189. Takao Okubo, Haruhiko Kaiya, Atsuo Hazeyama, Nobukazu Yoshioka, Eduardo B. Fernandez, “Systematic Mapping of Security Patterns Research,” Proceedings of the 22nd Conference on Pattern Languages of Programs Conference 2015 (PLoP 2015), October 24–26, Pittsburgh, Pennsylvania, USA. (CORE Rank B)
 190. TIAN XIA, HIRONORI WASHIZAKI, YOSHIAKI FUKAZAWA, JOSEPH YODER, REBECCA WIRFS-BROCK, “Two-level Checklists and Perspectives: Software Reading Techniques for Pattern Writer’s Workshop,” Proceedings of the 22nd Conference on Pattern Languages of Programs Conference 2015 (PLoP 2015), October 24–26, Pittsburgh, Pennsylvania, USA. (CORE Rank B)
 191. Joseph W. Yoder, Rebecca WirfsBrock, Hironori Washizaki, “QA to AQ Part Four – Shifting from Quality Assurance to Agile Quality – Prioritizing Qualities and Making them Visible,” Proceedings of the 22nd Conference on Pattern Languages of Programs Conference 2015 (PLoP 2015), October 24–26, Pittsburgh, Pennsylvania, USA. (CORE Rank B)
 192. Yiyang Hao, Hironori Washizaki, Yoshiaki Fukazawa, “A third-party extension support framework using patterns,” Proceedings of the 22nd Asia Pacific Software Engineering Conference (APSEC 2015), New Delhi, India, Dec 1–4, 2015. (CORE Rank B, acceptance rate 42/144=29%)
 193. Yohei Aoki, Takanobu Kobori, Hironori Washizaki, Yoshiaki Fukazawa, “Identifying Misalignment of Goal and Strategies across Organizational Units by Interpretive Structural Modeling,” Proceedings of the 49th Hawaii International Conference on System Sciences (HICSS-49), January 5–8, 2016 Grand Hyatt, Kauai (CORE Rank A)
 194. Kiyoshi Honda□ Hironori Washizaki□ Yoshiaki Fukazawa□ Kazuki Munakatay, Sumie Moritay, Tadahiro Uharay, and Rieko Yamamoto, “Detection of Unexpected Situations by Applying Software Reliability Growth Models to Test Phases,” Proceedings of the 26th IEEE International Symposium on Software Reliability Engineering (ISSRE 2015), Industry Track, GAITHERSBURG, MD, USA, NOVEMBER 2–5, 2015. (CORE Rank A)

195. Kazuki Otomori, et al. "Do appealing characters in educational tools help beginners to learn programming?" Poster (refereed), World Engineering Conference and Convention 2015 (WECC 2015), November 29 – December 2, 2015, Kyoto.
196. Daisuke Saito, Hironori Washizaki, Yoshiaki Fukazawa, "A Comparison of Programming Way: Illustration-based Programming and Text-based Programming," IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE 2015), Work-in-Progress paper, 10-12 December 2015, United International College, Zhuhai, China
197. Kiyoshi Honda, Hironori Washizaki, Yoshiaki Fukazawa, "Software Reliability Growth Model Considering Uncertainty and Dynamics in Development," 23rd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2016), Doctoral Symposium, Osaka, Japan, March 14-18, 2016.
198. Keisuke Fujino, Akinori Ihara, Kiyoshi Honda, Hironori Washizaki, Kenichi Matsumoto, "Toward selecting a reliable version of OSS library based on bug-fixing curve," 23rd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2016), Poster (refereed), Osaka, Japan, March 14-18, 2016.
199. Kei Ito, Hironori Washizaki, Yoshiaki Fukazawa, "Handover Anti-patterns," 5th Asian Conference on Pattern Languages of Programs (AsianPLOP 2016), February 24-26, 2016, Taipei, Taiwan.
200. Eduardo B. Fernandez, Hironori Washizaki, Nobukazu Yoshioka, "Patterns for Secure Cloud IaaS," 5th Asian Conference on Pattern Languages of Programs (AsianPLOP 2016), February 24-26, 2016, Taipei, Taiwan.
201. Joseph W. Yoder, Rebecca Wirfs-Brock, Hironori Washizaki, "QA to AQ Part Five," 5th Asian Conference on Pattern Languages of Programs (AsianPLOP 2016), February 24-26, 2016, Taipei, Taiwan.
202. Kiyoshi Honda, Nobuhiro Nakamura, Hironori Washizaki and Yoshiaki Fukazawa, "Case Study: Software Reliability Growth Model Based on Person Hours," 7th IEEE International Workshop on Empirical Software Engineering in Practice (IWESEP), poster, Osaka, March 13, 2016.
203. Yusuke Sunaga, Masashi Shuto, Hironori Washizaki, Katsuhiko Kakehi, Yoshiaki Fukazawa, Shoso Yamato, Masashi Okubo, "How Are Effective Combinations of Personal Characteristic types different in Controlled Project-Based Learning Courses?," Proceedings of the 29th IEEE Conference on Software Engineering Education and Training (CSEE&T 2016), short paper, Dallas, USA, April 5-6, 2016. (CORE Rank C)
204. Masashi Shuto, Hironori Washizaki, Katsuhiko Kakehi, Yoshiaki Fukazawa, Shoso Yamato, Masashi Okubo, "Learning Effectiveness of Team Discussions in Various Software Engineering Education Courses," Proceedings of the 29th IEEE Conference on Software Engineering Education and Training (CSEE&T 2016), short paper, Dallas, USA, April 5-6, 2016. (CORE Rank C)
205. Chihiro Uchida, Kiyoshi Honda, Hironori Washizaki, Yoshiaki Fukazawa, Kentaro Ogawa, Tomoaki Yagi, Mikako Ishigaki, Masashi Nakagawa, "GO-MUC: A Strategy Design Method Considering Requirements of User and Business by Goal-Oriented

- Measurement,” 9th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2016), short paper, collocated with ICSE 2016, Austin, Texas, USA, May 16, 2016.
206. Koji Tsumura, Hironori Washizaki, Yoshiaki Fukazawa, Keishi Oshima, Ryota Mibe, “Pairwise Coverage-based Testing with Selected Elements in a Query for Database Applications,” 5th International Workshop on Combinatorial Testing (IWCT 2016), collocated with ICST 2016, Chicago, USA, April 10, 2016.
 207. Pablo Alejandro Quezada-Sarmiento, Juan Garbajosa, Liliana Pacheco-Jara, Hironori Washizaki, Liliana Enciso, “Curricular Design based in Bodies of Knowledge: Engineering Education for the Innovation and the Industry,” SAI Computing Conference 2016, July 13-15, 2016, London, UK.
 208. Daisuke Saito, Hironori Washizaki, Yoshiaki Fukazawa, “Influence of the Programming Environment on Programming Education,” Poster, 21th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2016) (CORE Rank A), Arequipa, Peru, July 11-13, 2016.
 209. Haruhiko Kaiya, Nobukazu Yoshioka, Takao Okubo, Hironori Washizaki and Atsuo Hazeyama, “Requirements Analysis for Privacy Protection and Third Party Awareness using Logging Models,” 15th International Conference on Intelligent Software Methodologies, Tools and Techniques (SOMET 2016) (CORE Rank B), September 12-14, 2016, Larnaca, Cyprus.
 210. Hironori Washizaki, Sota Fukumoto, Misato Yamamoto, Masatoshi Yoshizawa, Yoshiaki Fukazawa, Shinpei Ogata, Eduardo B. Fernandez, Nobukazu Yoshioka, Takehisa Kato, Haruhiko Kaiya, Hideyuki Kanuka, Yuki Kondo, Takao Okubo, Atsuo Hazeyama, “A Metamodel for Security and Privacy Knowledge in Cloud Services,” Proceedings of the 12th IEEE World Congress on Services (IEEE SERVICES 2016) (CORE Rank B), Poster Paper, pp. 142-143, June 27 – July 2, 2016, San Francisco, USA.
 211. Hidenori Nakai, Naohiko Tsuda, Kiyoshi Honda, Hironori Washizaki, and Yoshiaki Fukazawa, “Initial Framework for a Software Quality Evaluation based on ISO/IEC 25022 and ISO/IEC 25023,” Poster, The 2016 IEEE International Conference on Software Quality, Reliability & Security (QRS 2016) (CORE Rank B), Vienna, Austria, August 1-3, 2016
 212. Kiyoshi Honda, Nobuhiro Nakamuray, Hironori Washizaki and Yoshiaki Fukazawa, “An Industrial Case Study of Project Management Using Cross Project Software Reliability Growth Model,” Poster, The 2016 IEEE International Conference on Software Quality, Reliability & Security (QRS 2016) (CORE Rank B), Vienna, Austria, August 1-3, 2016
 213. Kiyoshi Honda, Nobuhiro Nakamuray, Hironori Washizaki and Yoshiaki Fukazawa, “Case Study: Project Management Using Cross Project Software Reliability Growth Model,” IEEE International Workshop on Trustworthy Computing, collocated with QRS 2016, Vienna, Austria, August 1-3, 2016
 214. Hironori Washizaki, Yann-Gael Gueheneuc, Foutse Khomh, “A Taxonomy for Program Metamodels in Program Reverse Engineering,” 32nd IEEE International

- Conference on Software Maintenance and Evolution (ICSME) (CORE Rank A), October 2-10, Raleigh, North Carolina, USA. (acceptance rate 29%=37/127)
215. Atsuo Hazeyama, Hironori Washizaki, Nobukazu Yoshioka, Haruhiko Kaiya, Takao Okubo, "Literature Survey on Technologies for Developing Privacy-aware Software," 3rd International Workshop on Evolving Security and Privacy Requirements Engineering (ESPRE), co-located with the RE'16 conference, 12-13 September 2016, Beijing, China
 216. Ryosuke Ishizue, Hironori Washizaki, Yoshiaki Fukazawa, Sakae Inoue, Yoshiiku Hanai, Masanobu Kanazawa and Katsushi Namba, "Metrics visualization technique based on the origins and function layers for OSS-based development," 4th IEEE Working Conference on Software Visualization (VISSOFT 2016), NIER Track, Raleigh, North Carolina, USA, October 3-4, 2016. (CORE Rank B)
 217. Joseph W. Yoder, Rebecca WirfsBrock, Hironori Washizaki, "QA to AQ – Part Six – Being Agile at Quality," 23rd Conference on Pattern Languages of Programs (PLoP 2016), Monticello, Illinois, USA, OCTOBER 24-26, 2016. (CORE Rank B)
 218. KEI ITO, HIRONORI WASHIZAKI, JOSEPH W. YODER, YOSHIAKI FUKAZAWA, "A Pattern Language for Handovers," 23rd Conference on Pattern Languages of Programs (PLoP 2016), Monticello, Illinois, USA, OCTOBER 24-26, 2016. (CORE Rank B)
 219. Hironori Washizaki, Yann-Gael Gueheneuc, Foutse Khomh, "Patterns for Program Reverse Engineering from the Viewpoint of Metamodel," 23rd Conference on Pattern Languages of Programs (PLoP 2016), Monticello, Illinois, USA, OCTOBER 24-26, 2016. (CORE Rank B)
 220. Kiyoshi Honda, Nobuhiro Nakamura, Hironori Washizaki and Yoshiaki Fukazawa, "Case Study: Project Management Using Cross Project Software Reliability Growth Model Considering System Scale," 27th IEEE International Symposium on Software Reliability Engineering (ISSRE 2016), Industry Track, Ottawa, Canada 23-27 October 2016. (CORE Rank A)
 221. Hidenori Nakai, Naohiko Tsuda, Kiyoshi Honda, Hironori Washizaki, Yoshiaki Fukazawa, "A SQUARE-based Software Quality Evaluation Framework and its Case Study," IEEE TENCON 2016, Marina Bay Sands, Singapore, 22-25 November 2016. (CORE Rank C)
 222. Naohiko Tsuda, Masaki Takada, Hironori Washizaki, Yoshiaki Fukazawa, Shunsuke Sugimura, Yuichiro Yasuda, Masanao Futakami, "Iterative Process to Improve GQM Models with Metrics Thresholds to Detect High-risk Files," IEEE TENCON 2016, Marina Bay Sands, Singapore, 22-25 November 2016. (CORE Rank C)
 223. Daisuke Saito, Hironori Washizaki, Yoshiaki Fukazawa, "Analysis of the Learning Effects Between Text-based and Visual-based Beginner Programming Environments," 2016 IEEE 8th International Conference on Engineering Education (ICEED), 7th-8th December, Kuala Lumpur.
 224. Chimaki Shimura, Hironori Washizaki, Takanobu Kobori, Yohei Aoki, Kiyoshi Honda, Yoshiaki Fukazawa, Katsutoshi Shintani and Takuto Nonomura, "Identifying Potential Problems and Risks in GQM+Strategies Models Using Metamodel and Design

- Principles,” 50th Annual Hawaii International Conference on System Sciences (HICSS-50), Waikoloa, Hawaii, Jan 4-7, 2017. (CORE Rank A)
225. Juhua Li, Kazunori Sakamoto, Hironori Washizaki, Yoshiaki Fukazawa, “Promotion of Educational Effectiveness by Translation-based Programming Language Learning Using Java and Swift,” 50th Annual Hawaii International Conference on System Sciences (HICSS-50), Waikoloa, Hawaii, Jan 4-7, 2017. (CORE Rank A)
226. Harlin Ismail Rizky, Hironori Washizaki and Yoshiaki Fukazawa, “Impact of Using a Static-type System in Computer Programming,” 18th IEEE International Symposium on High Assurance Systems Engineering (HASE 2017), student session, January 12 – 14, 2017, Singapore (CORE Rank B)
227. Ryosuke Ishizue, Kazunori Sakamoto, Hironori Washizaki, Yoshiaki Fukazawa, “An Interactive Web Application Visualizing Memory Space For Novice C Programmers,” 48th ACM Technical Symposium on Computer Science Education (SIGCSE 2017), poster, March 8 – 11, 2017, Seattle, Washington, USA (CORE Rank A) (acceptance rate $34.5\% = 48/139$)
228. Karsten Stöcker, Hironori Washizaki and Yoshiaki Fukazawa, “Closing the Gap between Unit Test Code and Documentation,” 4th International Workshop on Software Test Architecture (InSTA 2017), Tokyo, 2017 Mar 17.
229. Jieming Chi, Kiyoshi Honda, Hironori Washizaki, Yoshiaki Fukazawa, Kazuki Munakata, Sumie Morita, Tadahiro Uehara, and Rieko Yamamoto, “Defect Analysis and Prediction by Applying the Multistage Software Reliability Growth Model,” The 8th IEEE International Workshop on Empirical Software Engineering in Practice (IWESEP), pp.1-5, Tokyo, March 13, 2017. (acceptance rate $9/18=50\%$)
230. Yuki Noyori, Hironori Washizaki, Yasuhiro Watanabe, Kiyoshi Honda, Kentarou Ogawa, Hiroyuki Shibata, “Improved metrics with iterative text mining for questionnaire analysis,” 8th IEEE International Workshop on Empirical Software Engineering in Practice (IWESEP 2017), Fast Abstract, March 13, 2017, Tokyo.
231. Naohiko Tsuda, Hironori Washizaki, Yoshiaki Fukazawa, Shunsuke Sugimura, Yuichiro Yasuda, Masanao Futakami, “Customization Patterns for GQM Metrics-Layer: Optimization by Checklist Based Maintainability Review and Machine Learning,” 8th IEEE International Workshop on Empirical Software Engineering in Practice (IWESEP 2017), Fast Abstract, March 13, 2017, Tokyo.
232. Masaki Hosono, Hironori Washizaki, Yoshiaki Fukazawa, Kiyoshi Honda, Kazuki Munakata, Sumie Morita, Yusuke Nemoto, “Empirical Study of OSS Regarding the Relationships between Bug Fixing Time and Metrics,” 8th IEEE International Workshop on Empirical Software Engineering in Practice (IWESEP 2017), Fast Abstract, March 13, 2017, Tokyo.
233. Kei Ito, Hironori Washizaki, Joseph Yoder, Yoshiaki Fukazawa, “More Handover Solution Patterns,” 6th Asian Conference on Pattern Languages of Programs (AsianPLOP 2017), Waseda University, Tokyo, Japan, March 12-13, 2017.
234. G Priyalakshmi, R Nadarajan, Hironori Washizaki and Smriti Sharma, “Impact of Bout Pattern on the Quality of Distributed Systems,” International Conference

on Advanced Informatics for Computing Research (ICAICR-2017), Lyallpur Khalsa College of Engineering, Jalandhar, Punjab, India on March 17-18, 2017.

235. Yasuhiro Watanabe, Hironori Washizaki, Kiyoshi Honda, Yuki Noyori, Yoshiaki Fukazawa, Aoi Morizuki, Hiroyuki Shibata, Kentaro Ogawa, Mikako Ishigaki, Satiyo Shiizaki, Teppei Yamaguchi and Tomoaki Yagi, "ID3P: Iterative Data-Driven Development of Persona based on quantitative evaluation and revision," 10th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2017), collocated with ICSE 2017, Buenos Aires, Argentina, May 23, 2017.
236. Yohei Aoki, Hironori Washizaki, Chimaki Shimura, Yuichiro Senzaki, Yoshiaoki Fukazawa, "Experimental Evaluation of HoRIM to Improve Business Strategy Models," 16th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2017), May 24-26, 2017, Wuhan, China. (CORE Rank C)

Book Chapters and Magazine Articles

237. Hironori Washizaki, and Yoshiaki Fukazawa, "Realization of Fully Independent Component Architecture," Chapter 4 in "Domain Oriented Software Development: Practices and Perspectives," Taylor and Francis, ISBN 0415304504, October 2002.
238. E.B. Fernandez, N. Yoshioka, H. Washizaki, J. Jurjens, M. VanHilst and G. Pernul, "Using security patterns to develop secure systems", in "Software Engineering for Secure Systems", IGI Global, pp16-31, 2010.
239. A. Nhlabatsi, A. Bandara, S. Hayashi, C.B. Haley, J. Jurjens, H. Kaiya, A. Kubo, R. Laney, H. Mouratidis, B. Nuseibeh, Y. Tahara, T.T. Tun, H. Washizaki, N. Yoshioka and Y. Yu, "Security Patterns: Comparing Modeling Approaches", in "Software Engineering for Secure Systems", pp75-111, IGI Global, 2010.
240. Yohei Aoki, Hironori Washizaki, Chimaki Shimura, Yuichiro Senzaki, Yoshiaoki Fukazawa, "Experimental Evaluation of HoRIM to Improve Business Strategy Models," Studies in Computational Intelligence (SCI), 2017. (to appear)

Awards

- Takahashi Encouraging Award from JSSST, 2004.
- SES2006 Best Paper Award from IPSJ/SIGSE, 2006.
- Yamashita Research Award from IPSJ, 2008.
- Funai Information Science Encouraging Award from Funai Foundation, 2008.
- Nikkei Quality Management Bibliography Award from JUSE (as one of co-authors of "Software Quality Body Of Knowledge: SQuBOK"), 2008.
- Zengo Award from ASTER, 2009.
- SES2009 Student Encouraging Award from IPSJ/SIGSE, 2009.
- FIT2009 Best Paper Award, 2009.
- IWESEP2014 Best Poster Award, 2014.

- 17th Workshop on Requirements Engineering (WER 2014) Best Paper Award Nominee (for “Abstract security patterns for requirements and analysis of secure systems”)
- Computer Research Contribution Award, Asia Pacific Society for Computing and Information Technology (APSCIT), 2016.
- Best Paper Award Nominee of 32nd IEEE International Conference on Software Maintenance and Evolution (ICSME 2016) (for “A Taxonomy for Program Metamodels in Program Reverse Engineering”) 2016.
- JSEE Engineering Education Award 2017.

Academic and Professional Contributions

- Convenor of ISO/IEC/JTC1/SC7/WG20
- Membership at Large for the Professional and Educational Activities Board, IEEE Computer Society
- Chair/Vice-Chair of IEEE CS Japan Chapter
- Chair of SEMAT Japan Chapter
- Director of IPSJ SamurAI Coding
- Director of ACM-ICPC 2014 Asia Regional Tokyo Contest
- Editor of Int. J. Soft. Eng. Know. Eng. (SCIE Indexed)
- Editor of IEICE Trans. Info. Sys. Editor (SCIE Indexed)
- Editor of Heliyon (Elsevier),
- Editor of IPSJ Journal
- Editor of JSSST Computer Software
- Editor of ISEIA Journal
- Steering Committee Member of DEPEND 2016–2017
- Steering Committee Member of FASSI 2016–2017
- General chair of AsianPLOP’ 11, 14–15
- Organizer of MAPLE/SCALE’ 13
- Organizer of PPAP’16
- Program chair of SPAQu’ 07–09
- Program chair of AsisanPLOP’ 10
- Program co-chair of IEEE ICST 2017
- Program co-chair of IEEE CSEE&T 2017
- Program co-chair of APSEC 2018
- Workshop co-chair of ASE’ 06
- Publicity chair of APSEC’ 07
- Publicity chair of ASE’ 12
- Publicity chair of CSEE&T’ 15
- Publicity chair of BICT 2015
- Asia liaison of SEKE’ 10–17
- Local chair of SPLC’ 13
- Local chair of COMPSAC ’18

- Member of IEEE, ACM, IPSJ, IEICE, JSSST, IEEJ, DBSJ
- Member of program committee (current and/or past): ASE, ICST, SEKE, ICMT, XP, SAC PSC, PROFES, APSEC, JCKBSE, PLoP, AsianPLoP, ICSoft, DEPEND, ASEA, SecTech, ISA, WorldCIST, Mensura, MODELSWARD, BIST AISE, ICIST ISSEA, PROMISE, QuASoQ, ICISA, PlatCon, SPLC Industry Track, ICSE Poster Track, InCULT, IEEE Mobile Cloud, ICECCS

Lecture Courses

- Programming, 2nd year undergraduate, Dept. CS, Waseda University
- Software Engineering, 3rd year undergraduate, Dept. CS, Waseda University
- Computing and Expression, 1st year undergraduate, Waseda University
- Software Quality Assurance, graduate, Dept. CS, Waseda University
- Component-based software development, graduate, Dept. Creative Informatics, University of Tokyo
- Component-based software development, graduate/practitioner, National Institute of Informatics
- Software Patterns, graduate/practitioner, Japan Advanced Institute of Science and Technology, and National Institute of Informatics
- Aspect-Oriented Software Development, graduate/practitioner, Japan Advanced Institute of Science and Technology, and National Institute of Informatics