

## BOOK CHAPTER

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1. Dave Clarke, Nikolay Diakov, Reiner Hähnle, Einar B. Johnsen, Ina Schaefer, Jan Schäfer, Rudolf Schlatte and Peter Y. H. Wong, **Modeling Spatial and Temporal Variability with the HATS Abstract Behavioral Modeling Language**. *Formal Methods for Eternal Networked Software Systems*, volume 6659 of LNCS. Jun 2011

## JOURNAL PUBLICATIONS

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1. Mario Bravetti, Elena Giachino, Michael Lienhardt and Peter Y. H. Wong, **Dynamic Rebinding for Concurrent Object Groups: Theory and practice**. volume 86, number 1 of *Journal of Logical and Algebraic Methods in Programming*, Jan 2017
2. Peter Y. H. Wong, Richard Bubel, Frank S. de Boer, Miguel Gómez-Zamalloa, Stijn de Gouw, Reiner Hähnle, Karl Meinke and Muddassar Azam Sindhu, **Testing Abstract Behavioural Specifications**. volume 17, number 1 of *International Journal on Software Tools for Technology Transfer*, Feb 2015
3. Elvira Albert, Frank S. de Boer, Reiner Hähnle, Einar B. Johnsen, Rudolf Schlatte, Silvia L. T. Tarifa and Peter Y. H. Wong, **Formal modeling and analysis of resource management for cloud architectures: an industrial case study using Real-Time ABS**. Special issue of European Conference on Service-Oriented and Cloud Computing, volume 8, issue 4 of *Service Oriented Computing and Applications*, Dec 2013.
4. Frank S. de Boer, Einar B. Johnsen, Stijn de Gouw, Andreas Kohn and Peter Y.H. Wong, **Run-Time Assertion Checking of Data- and Protocol-Oriented Properties of Java Programs: An Industrial Case Study**. volume 8400 of *LNCS Transactions on Aspect-Oriented Software Development*, Aug 2012
5. Peter Y. H. Wong, Elvira Albert, Radu Muschevici, Jose Proenca, Jan Schäfer and Rudolf Schlatte, **The ABS Tool Suite: Modelling, Executing and Analysing Distributed Adaptable Object-Oriented Systems**. Special Section on Diversity - Modeling, Analysis and Evolution, volume 14, number 5 of *International Journal on Software Tools for Technology Transfer*, Jul 2012.
6. Peter Y. H. Wong and Jeremy Gibbons, **Formalisations and Applications of BPMN**. Special issue of FOCLASA08, volume 76, issue 8 of *Science of Computer Programming*, Aug 2011.
7. Peter Y. H. Wong and Jeremy Gibbons, **Property Specifications for Workflow Modelling**. Special issue of IFM2009, volume 76, issue 10 of *Science of Computer Programming*, Oct 2011.

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1. Lei Feng, Simon Lundmark, Karl Meinke, Feng Niu, Muddassar A. Sindhu and Peter Y. H. Wong, **Case Studies in Learning-based Testing**. In *Proceedings of International Symposium in Software Testing and Analysis*, volume 8254 of LNCS, Nov 2013
2. Frank S. de Boer, Stijn de Gouw and Peter Y. H. Wong, **Run-Time Verification of Coboxes**. In *Proceedings of 27th European Conference on Object-Oriented Programming*, volume 8137 of LNCS, Sep 2013.
3. Elvira Albert, Puri Arenas, Miguel Gómez-Zamalloa, Peter Y. H. Wong: **aPET: A Test Case Generation Tool for Concurrent Objects**. In proceeding of ACM SIGSOFT Symposium on the Foundations of Software Engineering, ACM press, Aug 2013
4. Elena Giachino, Carlo A. Grazia, Cosimo Laneve, Michael Lienhardt and Peter Y. H. Wong, **Deadlock Analysis of Concurrent Objects: Theory and Practice**. In *Proceedings of 10th International Conference on Integrated Formal Methods*, volume 7940 of LNCS, Jun 2013
5. Peter Y. H. Wong, **Compositional Development of BPMN**. In *Proceedings of 12th International Conference on Software Composition*, volume 8088 of LNCS, Jun 2013
6. Stijn de Gouw, Frank S. de Boer, Einar B. Johnsen and Peter Y. H. Wong, **Run-Time Assertion Checking of Data- and Protocol-Oriented Properties of Java Programs: An Industrial Case Study**. In *Proceedings of 28th ACM Symposium on Applied Computing, Track on Object Oriented Programming Languages and Systems*, Mar 2013.
7. Reiner Hähnle, Michiel Helvensteijn, Einar B. Johnsen, Michael Lienhardt, Davide Sangiorgi, Ina Schaefer and Peter Y. H. Wong, **HATS Abstract Behavioral Specification: The Architectural View**. In *Proceedings of 8th International Symposium on Formal Methods for Components and Objects*, volume 7542 of LNCS, 2012.
8. Maurice H. ter Beek, Martin Becker, Andreas Classen, F. Roos-Frantz, Ina Schaefer and Peter Y. H. Wong. **Formal Methods and Analysis in Software Product Line Engineering - 3rd edition of FMSPLE workshop series**. In *Proceedings of 16th International Conference on Software Product Line Conference*, ACM, Sep 2012.
9. Frank S. de Boer, Reiner Hähnle, Einar B. Johnsen, Rudolf Schlatte and Peter Y. H. Wong, **Formal Modeling of Resource Management for Cloud Architectures: An Industrial Case Study**. In *Proceedings of European Conference on Service-Oriented and Cloud Computing*, volume 7592 of LNCS. Sep 2012. Invited for special issue in Service Oriented Computing and Applications.
10. Michiel Helvensteijn, Radu Muschevici and Peter Y. H. Wong, **Delta Modeling in Practice - A Fredhopper Case Study**. In *Proceedings of 6th International Workshop on Variability Modeling of Software-Intensive Systems*, ACM. Jan 2012.

11. Peter Y. H. Wong, Nikolay Diakov and Ina Schaefer, **Modelling Software Product Lines using HATS Approach – A Fredhopper Case Study**. In *Proceedings of 2nd International Conference on Formal Verification of Object-Oriented Software*, volume 7421 of LNCS, Jul 2012.
12. David Bavares, Martin Leuker, Martin Becker, Rick Rabiser, Karina Villela and Peter Y. H. Wong. **Formal Methods and Analysis in Software Product Line Engineering**. In *Proceedings of 15th International Conference on Software Product Line Conference*, IEEE Computer Society, Aug 2011.
13. Peter Y.H. Wong and Jeremy Gibbons, **Property Specifications for Workflow Modelling**. In *Proceedings of 7th International Conference on integrated Formal Methods*, volume 5423 of LNCS, Feb 2009. Invited for special issue in Science of Computer Programming.
14. Peter Y.H. Wong and Jeremy Gibbons, **A Process Semantics for BPMN**, In *Proceedings of 10th International Conference on Formal Engineering Methods*, volume 5256 of LNCS, Oct 2008.
15. Peter Y.H. Wong and Jeremy Gibbons, **Verifying Business Process Compatibility**. In *Proceedings of 8th International Conference on Quality Software*, IEEE Computer Society, Aug 2008.
16. Peter Y.H. Wong and Jeremy Gibbons, **A Relative Timed Semantics for BPMN**. In *Proceedings of 7th International Workshop on the Foundations of Coordination Languages and Software Architectures (FOCLASA08)*, ENTCS, Jul 2008. Invited for special issue in Science of Computer Programming.
17. Peter Y.H. Wong and Jeremy Gibbons, **On Specifying and Visualising Long-Running Empirical Studies**. In *Proceedings of International Conference on Model Transformations*, volume 5063 of LNCS, Jul 2008.
18. Peter Y.H. Wong and Jeremy Gibbons, **A Process-Algebraic Approach to Workflow Specification and Refinement**. In *Proceedings of 6th International Symposium on Software Composition*, volume 4829 of LNCS, Mar 2007.
19. Alvin T.S. Chan, Peter Y.H. Wong and Siu Nam Chuang, **CRL: A Context-aware Request Language for Mobile Computing**. In *Proceedings of 2nd International Symposium on Parallel and Distributed Processing and Applications*, volume 3358 of LNCS, Dec 2004.

## **WORKSHOP PRESENTATIONS**

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1. Dave Clarke, Nikolay Diakov, Reiner Hähnle, Einar B. Johnsen, German Puebla, Balthazar Weitzel and Peter Y. H. Wong, **HATS - A Formal Software Product Line Engineering Methodology**. In *Proceedings of International Workshop on Formal Methods in Software Product Line Engineering*, 2nd volume of Proceedings of 14th International Conference on Software Product Line, Sep 2010.
2. Peter Y.H. Wong and Jeremy Gibbons, **A Relative Timed Semantics for BPMN** (short paper). In *Proceedings of 3rd European Young Researchers Workshop on Service Oriented Computing*, Jun 2008.
3. Peter Y.H. Wong and Jeremy Gibbons, **Verifying Business Process Compatibility**. In *Proceedings of 3rd International Workshop on Methods and Tools for Coordinating Concurrent, Distributed and Mobile Systems*, Jun 2007.
4. Peter Y.H. Wong and Jeremy Gibbons, **Verifying Business Process Compatibility** (short paper). In *Proceedings of 2nd European Young Researchers Workshop on Service Oriented Computing*, Jun 2007.
5. Peter Y.H. Wong, **Towards a Unified Model for Workflow Processes**. In *Proceedings of 1st Service-Oriented Software Research Network Workshop*, Jun 2006.

## **THESES**

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1. **Formalisations and Applications of Business Process Modelling Notation**. DPhil Thesis, Department of Computer Science, University of Oxford, 2011.
2. **An Investigation in Energy Consumption Analyses and Application-Level Prediction Techniques**. Master's Thesis, Department of Computer Science, University of Warwick, 2006.