

List of Publications and Citations

(August 2012)

Pavel Ježek

This attachment presents a list of authored and co-authored publications (**6 in total**), technical reports and presentations. Each publication with one or more citations is supplemented by a citations list that was created primarily via Google Scholar. Each citation list is divided into two groups separated by a horizontal line – the first group contains peer-reviewed publications (published in conference/workshop proceedings, journals, book chapters – **20 citations in total**), the second group includes other publications (PhD and Habilitation theses – **7 citations in total**).

Book chapters

Bulej L., Bureš T., Coupaye T., Děcký M., Ježek P., Parížek P., Plášil F., Poch T., Rivierre N., Šerý O., Tůma P.: *CoCoME in Fractal*, Chapter in The Common Component Modeling Example: Comparing Software Component Models, Springer-Verlag, LNCS 5153, Aug 2008

- Adamek J., Hnetynka P.: Perspectives in Component-based Software Engineering, in proceedings of the 2008 International Workshop on Software Engineering in East and South Europe (SEESE), Leipzig, Germany, Copyright (C) ACM, New York, NY, USA, ISBN 978-1-60558-076-0, pp. 35-42, May 2008
 - Both, A., Zimmermann, W., Franke, R.: Model Checking of Component Protocol Conformance – Optimizations by Reducing False Negatives, In proceedings of FACS 2009, ENTCS 263, ISSN 1571-0661, Elsevier, June 2010
 - Cansado, A., Canal, C.: On the Reconfiguration of components in presence of mismatches, In proceedings of WASELF'09, San Sebastian, Spain, September 2009
 - Moravcova, Varekova, P., Cerna, I.: Model Checking of Control-User Component-Based Parametrised Systems. LNCS5282, Germany, Springer Verlag, 2008. ISBN 978-3-540-87890-2, pp. 146-162. 2008, Karlsruhe
 - Plsek A., Adamek J.: Carmen: Software Component Model Checker, in Proceedings of QoSA 2008, Karlsruhe, Germany, Springer, LNCS 5281, ISBN 978-3-540-87878-0, ISSN 0302-9743, pp. 71-85, Oct 2008
 - Canal, C., Cansado, A.: Component Reconfiguration in Presence of Mismatch, Informatica 35, 2011
 - Fernandez-Madrigal, J. A., Llopis, L., Cruz-Martin, A., Galindo, C., Gonzalez, J.: H: A component-based specification language for heterogeneous applications, Computer Standards & Interfaces, Apr 2012
-
- Cansado, A.: Formal Specification and Verification of Distributed Component Systems, PhD thesis, University of Nice-Sophia Antipolis, France, 2008

- Hammer, M.: How To Touch a Running System: Reconfiguration of Stateful Components, Dissertation thesis, Faculty of Mathematics, Computer Science and Statistics, Ludwig-Maximilians-University at Munchen, Germany, 2009
- Martens, M.: Establishing Properties of Interaction Systems, PhD thesis, University of Mannheim, 2009
- Matevska, J.: Rekonfiguration komponentenbasierter Softwaresysteme zur Laufzeit, PhD thesis, University of Oldenburg, 2009

[11/27]

Reviewed articles

Bureš T., Ježek P., Malohlava M., Poch T., Šerý O.: *Strengthening Component Architectures by Modeling Fine-grained Entities*, in proceedings of 37th Euromicro SEEA 2011, Oulu, Finland, IEEE CS, Aug 2011

Ježek P., Bureš T., Hnětynka P.: *Supporting Real-life Applications in Hierarchical Component Systems*, in proceedings of SERA 2009, Haikou, China, Studies in Computational Intelligence (SCI), Springer, Dec 2009

- Pokahr, A., Braubach, L.: Active Components: A Software Paradigm for Distributed Systems, In Proceedings of the 2011 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT-2011), 2011
- Pokahr, A., Braubach, L.: Addressing Challenges of Distributed Systems using Active Components, In Proceedings of 5th International Symposium on Intelligent Distributed Computing (IDC-2011), Studies in Computational Intelligence, Springer, Oct 2011
- Braubacj L., Pokahr L.: Developing Distributed Systems with Active Components and Jadex, Scalable Computing: Practice and Experience, Volume 13, Number 2, pp. 100–119, ISSN 1895-1767, 2012

[3/27]

Matoušek T., Ježek P.: *DeSpec: Modeling the Windows Driver Environment*, in proceedings of FESCA, ETAPS'07, Braga, Portugal, ENTCS, Mar 2007

Ježek P., Kofroň J., Plášil F.: *Model Checking of Component Behavior Specification: A Real Life Experience*, in Electronic Notes in Theoretical Computer Science, Vol. 160, pp. 197-210, Elsevier B.V., ISSN: 1571-0661, Aug 2006

- Barros T., Cansado A., Madelaine E., Rivera M.: Model-checking Distributed Components: The Vercors Platform, Formal Aspect of Component Systems, Prague, Czech Republic, 2006
- Fernandes F., Royer J.C.: The STSLib Project: Towards a Formal Component Model Based on STS, Proceedings of the 4th International Workshop on Formal Aspects of Component Software, ENTCS Volume 215, 29 June 2008, Pages 131–149, 2007
- Cansado A., Caromel D., Henrio L., Madelaine E.: A Specification Language for Distributed Components Implemented in GCM/ProActive, The Common Component Modeling Example Lecture Notes in Computer Science, 2008, Volume 5153/2008, 418-448, Springer, 2008

- Bao T., Jones M.D.: Test Case Generation Using Model Checking for Software Components Deployed into New Environments, Software Testing, Verification and Validation Workshops, 2009. ICSTW '09, IEEE, 2009
- Fernandes F, Passama R., Royer J.C.: Components with Symbolic Transition Systems: a Java Implementation of Rendezvous, Communicating Process Architectures 2007, IOS Press, 2007
- Holub V., Tuma P.: Streaming State Space: A Method of Distributed Model Verification, Theoretical Aspects of Software Engineering, 2007, TASE '07, pp 356 – 368, IEEE, 2007
- D Hurnaus, H Prähofer: Programming assistance based on contracts and modular verification in the automation domain, Proceeding SAC '10 Proceedings of the 2010 ACM Symposium on Applied Computing, pp 2544-2551, ACM New York, 2010
- Adamek J., Hnetyňka P.: Perspectives in component-based software engineering, Proceeding SEESE '08 Proceedings of the 2008 International Workshop on Software Engineering in East and South Europe, ACM New York, 2008
- Salmi N., Ioualalen M.: Towards Efficient Component Performance Analysis in Component Based Architectures, Proceedings of Software Quality. Process Automation in Software Development, 4th International Conference, SWQD 2012, Springer, Vienna, Austria, 2012

-
- Bao T.: Verifying Abstract Components Within Concrete Software Environments, book, Brigham Young University, ProQuest, 2009
[10/27]

Kofroň J., Adámek J., Bureš T., Ježek P., Mencl V., Parížek P., Plášil F.: *Checking Fractal Component Behavior Using Behavior Protocols*, presented at the 5th Fractal Workshop (part of ECOOP'06), July 3rd, 2006, Nantes, France, Jul 2006

- Collet, P., Ozanne, A., Rivierre, N.: Towards a Versatile Contract Model to Organize Behavioral Specifications, Proceedings of SOFSEM 2007, January 20 - 26, 2007, Harrachov, Czech Republic, LNCS 4362
-
- Cansado, A.: Formal Specification and Verification of Distributed Component Systems, PhD thesis, University of Nice-Sophia Antipolis, France, 2008
 - Collet, P.: Taming Complexity of Large Software Systems: Contracting, Self-Adaptation and Feature Modeling, Habilitation thesis, University of Nice-Sophia Antipolis, Dec 2011

[3/27]

Technical reports

Bureš T., Ježek P., Malohlava M., Poch T., Šerý O.: *Fine-grained Entities in Component Architectures*, Tech. Report No. 2009/5, Dep. of SW Engineering, Charles University in Prague, Jun 2009

Presentations

Ježek P.: *Model-Driven Development on .NET Platform*, Model-driven Software Development in the Real World Workshop, MDD-RW 2010, Karlsruhe, Germany, Jul 2010

Ježek P.: *Behavior Protocols: Formal Specification of Services Behavior in a Component Environment*, 16th Annual Conference of Doctoral Students, WDS'07, Prague, Czech Republic, Jun 2007

Ježek P.: *Behavior Protocols: Using Behavior Protocols to Model Real-Life Software Components*, 15th Annual Conference of Doctoral Students, WDS'06, Prague, Czech Republic, Jun 2006

Adámek, J., Bureš, T., Ježek, P., Kofroň, J., Mencl, V., Parížek, P., Plášil, F.: *Real-life Behavior Specification of Software Components*, 11th EMEA Academic Forum, Dublin, Ireland, May 2006

Ježek P.: *Behavior Protocols: A Real Life Experience*, 14th Annual Conference of Doctoral Students, WDS'05, Prague, Czech Republic, Jun 2005

Ježek P.: *Combining OMG Target Data Model and JMX Technology*, 13th Annual Conference of Doctoral Students, WDS'04, Prague, Czech Republic, Jun 2004