Software Center: Publications 2016

Emil Alégroth and Robert Feldt. "On the Long-term Use of Visual GUI Testing in Industrial Practice: A Case Study". Empirical Software Engineering (EMSE) Journal, 2016

Antinyan, Vard, et al. "Validating software measures using action research a method and industrial experiences." Proceedings of the 20th International Conference on Evaluation and Assessment in Software Engineering. ACM, 2016.

Terese, Besker, Antonio Martini, and Jan Bosch. "A Systematic Literature Review and a Unified Model of ATD" Euromicro
Conference on Software Engineering and Advanced Applications (SEAA), 2016

T Besker, A Martini, J Bosch, (2016). A systematic literature review and a unified model of ATD, Software Engineering and Advanced Applications (SEAA), 2016 42th Euromicro ...

Bosch, J., and Olsson, H.H. (2016). DataDriven
Continuous Evolution of Smart Systems. In Proceedings of the 11th
International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), May 16-17, 2016, Austin, Texas.

Bosch, J., and Olsson, H.H. (2016). Towards Automated A/B/n Testing in Families of Smart Systems. In Proceedings of the 42nd Euromicro Conference on Software Engineering Advanced Applications, August 31st – September 2nd, Limassol, Cyprus.

J Bosch (2016). Delivering Customer Value in the Age of Autonomous, Continuously Evolving Systems, Requirements Engineering Conference (RE), 2016 IEEE 24th International, 1-1, 1 2016

J Bosch (2016). Tutorial summary for speed, data and ecosystems: The future of software, Engineering, Software Architecture (WICSA), 2016 13th Working IEEE/IFIP Conference on ...

J Bosch (2016). Speed, Data, and Ecosystems: The Future of Software Engineering, IEEE Software 33 (1), 82-88, 3 2016

R Capilla, J Bosch (2016). Dynamic Variability Management Supporting Operational Modes of a Power Plant Product Line, Proceedings of the Tenth International Workshop on Variability Modelling of ...

Antonio Cicchetti, Federico Ciccozzi, Jan Carlson (2016): Software Evolution Management: Industrial Practices. 10th Workshop on Models and Evolution (ME 2016)

Dajsuren, Yanja, Harald Altinger, and Miroslaw Staron. "Guest editorial on special section: Automotive Software Architecture." Information and Software Technology 73 (2016): 134-135.

Fabijan, A., Olsson, H.H., and Bosch, J. (2016). Time to Say 'Good Bye': Feature Lifecycle. In Proceedings of the 42nd Euromicro Conference on Software Engineering Advanced Applications, August 31st – September 2nd, Limassol, Cyprus.

Fabijan, A., Olsson, H.H., and Bosch, J. (2016). Commodity Eats Innovation for Breakfast: A Model for Differentiating Feature Realization. In Proceedings of the 17th International Conference on Product-Focused Software Process Improvement (PROFES), November 22nd-24th, Trondheim, Norway.

Software Center: Publications 2016

Fabijan, A., Olsson, H.H., and Bosch, J. (2016). The Lack of Sharing of Customer Data in Large Software Organizations:
Challenges and Implications. In Agile Processes in Software Engineering and Extreme Programming (XP 2016), pp. 39–52.

Fabijan, A. (2016). Developing the right features: the role and impact of customer and product data in software product
development. Licentiate Thesis, defended November 11th, Malmö University, Sweden.

Fabijan, A., Dmitriev, P., Olsson, H.H., and Bosch, J. The Evolution of Continuous Experimentation in Software Product Development. (Accepted at the Technical Research Track of the 39th International Conference of Software Engineering, ICSE 2017).

H Hartmann, J Bosch (2016). Towards a multi-criteria decision support method for consumer electronics software ecosystems, Journal of Software: Evolution and Process 28 (6), 460-482

Hebig, Regina, and Haoyu Wang. "On tackling quality threats for the assessment of measurement programs: A case study on the distribution of metric usage and knowledge." Science of Computer Programming (2016).

Per Lenberg , Robert Feldt, and Lars Göran Wallgren. "An Initial Analysis of Differences in Software Engineers' Attitudes Towards Organizational Change". Proceedings of the 9th International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE 2016. IEEE. 2016.

Per Lenberg , Robert Feldt, and Lars Göran Wallgren. "An initial analysis of software engineers' attitudes towards organizational change". Empirical Software Engineering (EMSE) Journal, 2016

Mattos Issa, D., Bosch, J., and Olsson, H.H. (submitted). Towards an Architecture for Self-Experimentation. (to be submitted to an international SE journal).

A Martini, J Bosch (2016). Architectural Technical Debt in Embedded Systems, INCOSE International Symposium 26 (1), 1029-1043

A Martini, J Bosch (2016). An empirically developed method to aid decisions on architectural technical debt refactoring: AnaConDebt, Proceedings of the 38th International Conference on Software Engineering ..., 2016

A Martini, J Bosch (2016). A multiple case study of continuous architecting in large agile companies: current gaps and the caffea framework, Software Architecture (WICSA), 2016 13th Working IEEE/IFIP Conference on, 1-10, 1 2016

A Martini, L Pareto, J Bosch (2016). A multiple case study on the inter-group interaction speed in large, embedded software companies employing agile, Journal of Software: Evolution and Process 28 (1), 4-26

Mårtensson, T., Ståhl, D., & Bosch, J. (2016). Continuous Integration Applied to Software-Intensive Embedded Systems–
Problems and Experiences. In Product-Focused Software Process Improvement: 17th International Conference, PROFES 2016, Trondheim, Norway, November 22-24, 2016, Proceedings 17 (pp. 448-457). Springer International Publishing.

Motta, Corrado, Darko Durisic, and Miroslaw Staron. "Should We Adopt a New Version of a Standard?–A Method and Its Evaluation on AUTOSAR." Product-Focused Software Process Improvement: 17th International Conference, PROFES 2016, Trondheim, Norway, November 22-24, 2016, Proceedings. Springer International Publishing, 2016.

Software Center: Publications 2016

Mohammad Mahdi Jaghoori, Frank de Boer, Delphine Longuet, Tom Chothia, Marjan Sirjani, Compositional schedulability
analysis of real-time actor-based systems, Acta Informatica, 1- 36, 2016

Saad Mubeen, Hongyu Pei-Breivold, and Moris Behnam (2016): Ensuring quality of service through modeling of service-level agreements in industrial IoT. 12th Swedish National Computer Networking Workshop.

H Muccini, KE Harper, R Heinrich, J Bosch, N Plouzeau, O Zimmermann (2016). Welcome Message from the Chairs of WICSA, QoSA and CBSE, ..., Component-Based Software Engineering (CBSE), 2016 19th International ACM ...

Olsson, H.H., and Bosch, J. (2016). Collaborative Innovation: A Model For Selecting The Optimal Ecosystem Innovation Strategy. In Proceedings of the 42nd Euromicro Conference on Software Engineering and Advanced Applications (SEAA), August 31 – September 2, Limassol, Cyprus.

Olsson, H.H., and Bosch, J. (2016). Collaborative Innovation In Business Ecosystems: A Strategy Selection Framework. In Proceedings of the Swedish Workshop on the Engineering of Systems of Systems (SWESoS), September 9th, Gothenburg, Sweden.

Olsson, H.H., and Bosch, J. (2016). No More Bosses? A multi-case study on the emerging use of non-hierarchical principles
in large-scale software development. In Proceedings of the 17th International Conference on Product-Focused Software Process Improvement (PROFES), November 22nd-24th, Trondheim, Norway.

Olsson, H.H., and Bosch, J. (forthcoming). Towards Evidence-Based Development: Learnings From Embedded Systems,
Online Games And Internet of Things. Accepted for publication in IEEE Software.

Olsson, H.H., and Bosch, J. (2016). From Requirements To Continuous Re-prioritization Of Hypotheses. In Proceedings of the International Workshop on Continuous Software Evolution and Delivery (CSED), May 14th, 2016, Austin, Texas.

Olsson, H.H., Bosch, J., and Katumba, B. (2016). User Dimensions in IoT Systems: The UDIT Model. In Proceeding of the 7th International Conference on Software Business (ICSOB), June 13-14, Ljubljana, Slovenia.

Olsson, H.H., and Bosch, J. (2016). Towards 'Human/System Synergistic Development': How Emergent System Characteristics
Change Software Development. In Proceedings of the 7th International Conference on Software Business (ICSOB), June 13-14, Ljubljana, Slovenia.

Olsson, H.H., and Bosch, J. (2016). Self-Learning, Self-Actuation and Decentralized Control: How Emergent System Capabilities Change Software Development. In Proceedings of the Swedish Workshop on the Engineering of Systems of Systems (SWESoS), September 9th, Gothenburg, Sweden.

Olsson, H.H., Bosch, J., and Katumba, B. (2016). Exploring IoT User Dimensions: A multi-case study on user interactions
in 'Internet of Things' Systems. In Proceedings of the 17th International Conference on Product-Focused Software Process
Improvement (PROFES), November 22-24, Trondheim, Norway.

Rakesh Rana, ..., Meding W (2016): Analyzing defect inflow distribution and applying Bayesian inference method for software defect prediction in large sorftware projects. Journal of Systems and Software.

Software Center: Publications 2016

Rana, Rakesh, and Miroslaw Staron. "First International Workshop on Emerging Trends in DevOps and Infrastructure." Proceedings of the Scientific Workshop Proceedings of XP2016. ACM, 2016.

Staron M, Meding W, et al (2016): A Key Performance Indicator Quality Model and Its Industrial Evaluation, (IWSM Mensura, Berlin)

Staron M, Meding W (2016): A portfolio of internal quality metrics for software architects (SWQD2017)
Staron, Miroslaw. "Automotive Software Architecture Views and Why we need a new one–Safety view." Workshop CARS 2016-Critical Automotive applications: Robustness & Safety. 2016.

Staron, Miroslaw, and Wilhelm Meding. "MeSRAM–A method for assessing robustness of measurement programs in large software development organizations and its industrial evaluation." Journal of Systems and Software 113 (2016): 76-100.

Staron, Miroslaw, "Software complexity metrics in general and in the context of ISO 26262 software verification requirements", Scandinavian Conference on Systems Safety

Staron, Miroslaw, et al. "Evolution of the Role of Measurement Systems in Industrial Decision Support." (2016).

Staron, Miroslaw, Darko Durisic, and Rakesh Rana. "Improving Measurement Certainty by Using Calibration to Find Systematic Measurement Error–A Case of Lines-of-Code Measure."

D Ståhl, J Bosch (2016). Industry application of continuous integration modeling: a multiple-case study, Proceedings of the 38th International Conference on Software Engineering ..., 1 2016

Ståhl, D., & Bosch, J. (2016). Industry application of continuous integration modeling: a multiple-case study. In Proceedings
of the 38th International Conference on Software Engineering Companion (pp. 270-279). ACM.

Ståhl, D., & Bosch, J. (2016). Cinders: The continuous integration and delivery architecture framework. Information and Software Technology.

Ståhl, D., Hallén, K., & Bosch, J. (2016). Continuous Integration and Delivery Traceability in Industry: Needs and Practices.
In Software Engineering and Advanced Applications (SEAA), 2016 42th Euromicro Conference on (pp. 68-72). IEEE.

Ståhl, D., Hallén, K., & Bosch, J. (2016). Achieving traceability in large scale continuous integration and delivery: Deployment, usage and validation of the Eiffel framework. Empirical Software Engineering, 1-29.

JS van der Ven, J Bosch (2016). Busting Software Architecture Beliefs: A Survey on Success Factors in Architecture Decision Making, Software Engineering and Advanced Applications (SEAA), 2016 42th Euromicro ...