

Profes 2006

7TH INTERNATIONAL CONFERENCE ON PRODUCT
FOCUSED SOFTWARE PROCESS IMPROVEMENT

12-14 JUNE, 2006,
AMSTERDAM, NETHERLANDS

The objective of the PROFES conference is to provide a forum where industrial practitioners and researchers can report on new research results and exchange experience and findings in the area of software product and process improvement. The conference deals with SPI extensively including quality engineering and management topics related to processes, methods, techniques, tools, organizations, and enabling SPI technologies. The conference provides a variety of up-to-date topics and tackles industry problems.

The conference has a special focus on understanding the relationship between process changes and their impact on the resulting product quality in specific development environments. Practitioners and researchers are encouraged to exchange ideas and approaches on how to tackle with process and product improvement and provide practical studies in varying contexts. These studies should support the understanding of the product-related effects of technologies in different contexts on a quantitative or qualitative basis.

<http://www.cwi.nl/events/2006/profes>

Track 1		Track 2	
8:30 Coffee & Registration			
9.30 Welcome, Rini van Solingen, General Chair Program, Matias Vierimaa, Program Co-chair Arrangements, Mark van den Brand, Organizing Chair			
10.00 Keynote: Michiel van Genuchten, Processes and the software business			
11.00 Coffee			
Session: Decision Support		Session: Embedded Software & System Development	
11:30	Defining the Process for Making Software System Modernization Decisions, <i>Jarmo J. Ahonen, Henna Sivula, Jussi Koskinen, Heikki Lintinen, Tero Tilus, Irja Kankaanpää, and Päivi Juutilainen</i>		An effective source code review process for embedded software, <i>Masayuki Hirayama</i>
	Introducing Tool Support for Retrospective Analysis of Release Planning Decisions, <i>Lena Karlsson, Björn Regnell</i>		Troubleshooting Large-Scale NPD Embedded Software Projects, <i>Petri Kettunen</i>
	A qualitative evaluation method for business process tools, <i>Erika M. Nieto-Ariza, Guillermo Rodríguez-Ortiz, and Javier Ortiz-Hernández</i>		Software Process Improvement with Agile Practices in a Large Telecom Company, <i>Jussi Auvinen, Rasmus Back, Jeanette Heidenberg, Piia Hirkman, and Luka Milovanov</i>
13:00 Lunch			
Session: Measurement		Session: Industrial Experiences I	
14:00	Assessing Software Product Maintainability Based on Class-Level Structural Measures, <i>Hans Christian Benestad, Bente Anda, Erik Arisholm</i>		Difficulties in Establishing a Defect Management Process, <i>Marko Jäntti, Tanja Toroi, and Anne Eerola</i>
	Integrating Reuse Measurement Practices into the ERP Requirements Engineering Process, <i>Maya Daneva</i>		A Case Study on the Success of Introducing General Non-Constructive Activities for Project Management and Planning Improvement <i>Topi Haapio, Jarmo J. Ahonen</i>
	Process Definition and Project Tracking in Model Driven Engineering, <i>Ivan Porres, Maria C. Valiente</i>		The concerns of prototypers and their mitigating practices: an industrial case-study, <i>Steve Counsell, Keith Phalp, Emilia Mendes and Stella Geddes</i>
15:30 Coffee			
16:00 Keynote: Jan Jaap Cannegieter, Controlling the Chaos of the CMMI Continuous Representation			
17:00 End			
19:00 Dinner			

Track 1	Track 2	Track 3
9:30 Keynote: Barbara Kitchenham , Evidence-based Software Engineering and Systematic Literature Reviews		
10:30 Coffee		
Session: Process improvement	Session: Agile Development Practices	Short Papers 1
11:00 Implementing Software Process Improvement Initiatives: An Empirical Study, <i>Mahmood Niazi, David Wilson and Didar Zowghi</i> Using Linear Regression Models to Analyse the Effect of Software Process Improvement <i>Joost Schalken, Sjaak Brinkkemper, and Hans van Vliet</i> Taba Workstation: Supporting Software Process Deployment based on CMMI and MR-MPS, <i>Mariano Montoni, Ana Regina Rocha, Gleison Santos, Sávio Figueiredo, Ahilton Barreto, Andréa Soares, Cristina Cerdeiral, and Peter Lupo</i> Analysis of an Artifact Oriented Test Process Model and of Testing Aspects of CMMI, <i>Paulo M. S. Bueno, Adalberto N. Crespo, and Mario Jino</i>	The Impact of Pair Programming and Test-Driven Development on Package Dependencies in Object-Oriented Design — An Experiment, <i>Lech Madeyski</i> Applying an Agility/Discipline Assessment for a Small Software Organisation, <i>Philip S. Taylor, Des Greer, Paul Sage, Gerry Coleman, Kevin McDaid, Ian Lawthers and Ronan Corr</i> Lessons learned from an XP Experiment with Students: Test-First needs more teachings, <i>Thomas Flohr, and Thorsten Schneider</i> An Empirical Study on Design Quality Improvement from Best-Practice Inspection and Pair Programming, <i>Dietmar Winkler, and Stefan Biff</i>	Software Inspections in Practice: Six Case Studies, <i>Sami Kollanus, Jussi Koskinen</i> Productivity of Test Driven Development: a controlled experiment with professionals, <i>Gerardo Canfora, Aniello Cimitile, Felix Garcia, Mario Piattini, and Corrado Aaron Visaggio</i> Results and Experiences from an Empirical Study of Fault Reports in Industrial Projects, <i>Jon Arvid Børretzen</i> A Software Process Tailoring System Focusing to Quantitative Management Plans, <i>Kazumasa Hikichi, Kyohei Fushida, Hajimu Iida, and Ken'ichi Matsumoto</i> Software Process Improvement: A Road to Success, <i>Mahmood Niazi</i> Characterization of Runaway Software Projects Using Association Rule Mining, <i>Sousuke Amasaki, Yasuhiro Hamano, Osamu Mizuno, and Tohru Kikuno</i> A Framework for Selecting Change Strategies in IT Organizations, <i>Jan Pries-Heje, Otto Vinter</i>
13:00 Lunch		
Session: Product Line Engineering	Session: Industrial Experiences 2	Short papers 2
14:00 A Variability-centric Approach to Instantiate Core Assets in Product Line Engineering, <i>Soo Ho Chang and Soo Dong Kim</i> Improving the Development of e-Business Systems by Introducing Process-Based Software Product Lines, <i>Joachim Bayer, Mathias Kose, and Alexis Ocampo</i> Assessing Requirements Compliance Scenarios in System Platform Subcontracting; <i>Björn Regnell, Hans O. Olsson, and Staffan Mossberg</i>	An Industrial Case Study on the Choice between Language Customization Mechanisms, <i>Mirosław Staron, Claes Wohlin</i> Preliminary Results from a Survey of Multimedia Development Practices in Australia, <i>Anne Hannington, Karl Reed</i> An ISO 9001:2000 Certificate and Quality Awards from Outside – What's Inside? – A Case study, <i>Darja Šmite, Nils Brede Moe</i>	Building Software Process Line Architectures from Bottom Up, <i>Hironori Washizaki</i> Refinement of Software Architectures by Recursive Model Transformations for Service Specification, <i>Ricardo J. Machado, João M. Fernandes, Paula Monteiro, and Helena Rodrigues</i> A UML based process meta-model integrating a rigorous process patterns definition, <i>Hanh Nhi Tran, Bernard Coulette, and Bich Thuy Dong</i> Ad hoc versus Systematic Planning of Software, <i>Gengshen Du, Jim McElroy, and Guenther Ruhe</i> An Extreme Approach to Automating Software Development with CBD, PLE and MDA Integrated, <i>Soo Dong Kim, Hyun Gi Min, Jin Sun Her, and Soo Ho Chang</i>
15:30 Coffee		
16:00 Keynote Jan Bosch , Challenges in Engineering Successful Mobile Services		
17:00 Closure		
17:30 End		

	Session 1: 1 day Workshop	Session 2: 1 day Workshop	Session 3: 1 day Tutorial	Session 4: 1/2 day Tutorials	Session 5: 1/2 day Tutorials
8.30	Coffee				
9:00	Workshop on Empirical Software Engineering (WSESE06) <i>A. Jedlitschka & M. Ciolkowski</i>	Workshop on Embedded Software Development In Collaboration <i>Pasi Kuvaja</i>	Software Product Metrics - Goal-Oriented Software Product Measurement <i>J. Münch & D. Hamann</i>	Art and Science of Software Systems Release Planning <i>Günther Ruhe & Omolade Saliu</i>	Get your Experience Factory ready for the next decade -- Ten years after "How to Build and Run One" -- <i>Dr. F. Bomarius & R. Feldmann</i>
12:00	Lunch				
13.00	Workshop on Empirical Software Engineering (WSESE06) <i>A. Jedlitschka & M. Ciolkowski</i>	Workshop on Embedded Software Development In Collaboration <i>Pasi Kuvaja</i>	Software Product Metrics - Goal-Oriented Software Product Measurement <i>J. Münch & D. Hamann</i>	Multiple Risk Management Process supported by Ontology <i>C. M. Gomes de Gusmao & H. Perrelli de Moura</i>	
16:00	Ending				