

Regular Research Papers

#	title	Authors
4	Semantic Document Adaptation With OCL Annotations	Jakub Malý and Martin Nečaský
6	Handling Database Schema Variability in Software Product Lines	Niloofer Khedri and Ramtin Khosravi
11	Safe Substitution of Components in Self-adaptive Web Applications	Shin Nakajima
12	Refining the pointer analysis by exploiting constraints on the CFL-paths	Xiaoshan Sun, Liang Cheng, Yang Zhang, Yi Deng and Jingbiao Hou
14	Visualization of Defect Inflow and Resolution Cycles: Before, During and After Transfer	Ronald Jabangwe, Kai Petersen and Darja Šmite
18	Scrum Anti-patterns – An Empirical Study	Veli-Pekka Eloranta, Kai Koskimies and Tommi Mikkonen
20	Handling multiple mode switch scenarios in component-based multi-mode systems	Hang Yin and Hans Hansson
22	Samekana: A Browser Extension for Including Relevant Web Links in Issue Tracking System Discussion Forum	Denzil Correa, Sangeeta Lal, Apoorv Saini and Ashish Sureka
26	Run-time Monitoring and Real-time Visualization of Software	Ana Dragomir and Horst Lichter
30	Visualizations as a Basis for Agile Software Process Improvement	Timo Lehtonen, Veli-Pekka Eloranta, Marko Leppänen and Essi Isohanni
31	TETRABox - A Generic White-Box Testing Framework for Model Transformations	Johannes Schoenboeck, Gerti Kappel, Manuel Wimmer, Angelika Kusel, Werner Retschitzegger and Wieland Schwinger
37	Facilitating Verification in Program Loops by Identification of Static Iteration Patterns	Aditya Desai, Era Jain and Subhajit Roy
38	Connecting Interaction Models and Application Logic for Model-driven Generation of Web-based Graphical User Interfaces	Roman Popp, Hermann Kaindl and David Raneburger
45	Distributed Online Test Generation	Teemu Kanstrén and Tuomas Kekkonen
48	A Systematic Review of Model-Driven Security	Phu H. Nguyen, Jacques Klein, Max Kramer and Yves Le Traon
49	On the Use of Software Quality Standard ISO/IEC 9126 in Mobile Environments	Ali Idri, Karima Moumane and Alain Abran
51	An Extended Orthogonal Variability Model for Metadata-Driven Multitenant Cloud Services	Mikio Aoyama and Nozomi Kurona
53	Packaged Software Implementation Requirements Engineering by Small Software Enterprises	Issam Jebreen and Stephen MacDonell
56	Automated Management of Dynamic Component Dependency for Runtime System Reconfiguration	Ping Su, Chun Cao, Xiaoxing Ma and Jian Lv
57	Mining Attribute Lifecycle to Predict Faults and Incompleteness in Database Applications	Kaiping Liu and Hee Beng Kuan Tan

Regular Research Papers

#	title	Authors
60	Factors Influencing Research Contributions and Researcher Interactions in Software Engineering: An Empirical Study	Subhajit Datta, A. S. M. Sajeev, Santonu Sarkar and Nishant Kumar
61	SMT-based Bounded Model Checking for OSEK/VDX Applications	Haitao Zhang, Toshiaki Aoki, Hsin-Hung Lin, Min Zhang, Yuki Chiba and Kenro Yatake
62	Preserving correctness of requirements evolution through refinement in Event-B	Kriangkrai Traichaiyaporn and Toshiaki Aoki
63	A formal coloured Petri net model for hazard detection in large event flows	Carle Patrice, Christine Choppy, Romain Cyril Kervarc and Ariane Piel
66	System quality improvement including software and infrastructure based on software metrics approach	Noriko Hanakawa and Masaki Obana
68	Modeling Security Threat Patterns to Derive Negative Scenarios	Tatsuya Abe, Shinpei Hayashi and Motoshi Saeki
69	Can Control-Component Libraries Reduce the Costs of Developing Control Engineering-Based Self-adaptive Systems?	Tharindu Patikirikorala
71	Constraint Checking in Distributed Product Configuration of Multi Product Lines	Gerald Holl, Paul Gruenbacher, Christoph Elsner, Thomas Klambauer and Michael Vierhauser
73	Harnessing SMT-Based Bounded Model Checking through Stateless Explicit-State Exploration	Weiqiang Kong, Leyuan Liu, Takahiro Ando, Hirokazu Yatsu, Kenji Hisazumi and Akira Fukuda
74	An Action-Oriented Programming Model for Pervasive Computing in a Device Cloud	Timo Aaltonen, Varvana Myllärniemi, Mikko Raatikainen, Niko Mäkitalo and Jari Pääkkö
76	QoS-Based Service Composition under Various QoS Requirements	Gang Wang
78	Towards a Hybrid Framework for Detecting Input Manipulation Vulnerabilities	Sun Ding, Hee Beng Kuan Tan, Lwin Khin Shar and Bindu Madhavi Padmanabhuni
81	A SystemC Semantics in Guarded Assignment Systems and Its Applications with VERDS	Naiju Zeng and Wenhui Zhang
83	Selecting Highly Efficient Sets of Subdomains for Mutation Adequacy	Matthew Patrick, Rob Alexander, Manuel Oriol and John A. Clark
84	Analyzing Early Requirements of Cyber-Physical Systems Through Structure and Goal Modeling	Chun Liu, Wei Zhang, Haiyan Zhao and Zhi Jin
88	Fault-Prone Module Prediction Using a Prediction Model and Manual Inspection	Norimitsu Kasai, Shuji Morisaki and Kenichi Matsumoto
93	Executable Program Documentation Based on Debugging Break Points	Yung-Pin Cheng, Jhih-Hao Chen and Yu-Ying Yu
96	Can We Trust Our Results? A Mapping Study on Data Quality	Marshima Mohd Rosli, Ewan Tempero and Andrew Luxton-Reilly
101	Towards Requirements Change Decision Support	Sanjay Ghosh and Srini Ramaswamy

Regular Research Papers

#	title	Authors
102	Quality Driven Design of Program Frameworks for Intelligent Sensor Applications	Tingxun Shi, Ruizhi Wang, Daolan Zhang, Wenpin Jiao and Bing Xie
105	A Value Weighting Method for Pair-Wise Testing	Satoshi Fujimoto, Hideharu Kojima and Tatsuhiro Tsuchiya
110	Extracting and Visualizing Implementation Structure of Features	Hiroshi Kazato, Shinpei Hayashi, Tsuyoshi Oshima, Shunsuke Miyata, Takashi Hoshino and Motoshi Saeki
112	Automating Inference of OCL Business Rules from User Scenarios	Duc-Hanh Dang and Jordi Cabot
113	Evolution Towards A Tool Integration Model	Weiqing Zhang and Birger Møller-Pedersen
121	A Knowledge-based Approach for Solving Problem Frames	Xiaohong Chen, Haiying Sun and Jing Liu
123	Software Quality Requirements: a systematic mapping study	Sofia Ouhbi, Ali Idri, Jose Luis Fernández Alemán and Ambrosio Toval
126	Service Brick Composition Framework for Smartphones	Shang-Pin Ma, Jheng-Shiun Jiang and Wen-Tin Lee
134	Evaluating Performance of SNA Metrics for Bug Prediction	Anjaneyulu Pasala and Satya Prateek Bommaraju
139	Scheduling analysis of CCSL specifications	Yin Ling and Jing Liu
140	Entity Disambiguation in Natural Language Text Requirements	Janardan Misra and Subhabrata Das
141	Diagnosis-Oriented Alarm Correlations	Dalin Zhang
145	Integrating Software Process Reuse and Automation	Emmanuelle Rouillé, Benoît Combemale, Olivier Barais, David Touzet and Jean-Marc Jézéquel
146	Detecting Program Changes from Edit History of Source Code	Eijirou Kitsu, Takayuki Omori and Katsuhisa Maruyama
147	Reasoning about Stakeholder Groups for Requirements Negotiation based on Extended i* Model	Hui Yang and Peng Liang
148	Effects of Organizational Changes on Product Metrics and Defects	Seiji Sato, Hironori Washizaki, Yoshiaki Fukazawa, Sakae Inoue, Hiroyuki Ono, Yoshiiku Hanai and Mikihiro Yamamoto
149	Identifying More Equivalent Mutants via Code Similarity	Marinos Kintis and Nicos Malevris
160	A Controlled Experiment to Assess the Effectiveness of Eight Use Case Templates	Saurabh Tiwari and Atul Gupta
161	An Approach to Generate Safety Validation Test Cases from UML Activity Diagram	Saurabh Tiwari and Atul Gupta
164	On Detecting Concurrency Defects Automatically at the Design Level	Frank Padberg, Oliver Denninger, Luis M. Carril and Martin Blersch
170	Data-Race-Freedom of Concurrent Programs	Granville Barnett and Shengchao Qin
171	Linking the Semantics of BPEL using Maude	Peng Liu, Huibiao Zhu, Shengchao Qin, Phillip Brooke and Xi Wu

Short Papers

#	title	Authors
24	Model Checking Liveness Properties under Fairness & Anti-fairness Assumptions	Kazuhiro Ogata
25	A Method for Early Detection of Mismatches between Framework Architecture and Execution Scenarios	Naoya Nitta, Izuru Kume and Yasuhiro Takemura
29	A New Scheduling Strategy for Risk Mitigation	Peng Zhou and Hareton Leung
33	Analysis of Runtime Feature Dependency Relationships in Product Line Assets	Saadbin Abid
35	Sky-MCSP-R: an efficient Web service composition approach based on graph	Pengjiao Sun, Pengcheng Zhang and Wenrui Li
36	Designing User Experience for Mobile Apps: Long-Term Product Owner Perspective	Kati Kuusinen and Tommi Mikkonen
41	Lehman's laws and the productivity of increments: Implications for productivity	Ramin Moazeni, Daniel Link and Barry Boehm
46	Requirements Determination as a Social Practice: Perceptions and Preferences of Novice Analysts	Issam Jebreen and Stephen MacDonell
80	Architecture Security Evaluation Method based on Security of the Components	Du Changxiao, Li Xiaohong, Shi Hong, Hu Jing, Feng Ruitao and Feng Zhiyong
82	Strategies for Aligning Variability Model and Architecture	Iris Groher and Rainer Weinreich
94	Multi-core Algorithms for LTL Verification	Linh Ha, Tho Quan, Yang Liu and Jun Sun
119	JeB: Safe Simulation of Event-B Models in JavaScript	Faqing Yang, Jean-Pierre Jacquot and Jeanine Souquières
125	Null Dereference Detection via a Backward Analysis	Qian Wang, Dahai Jin and Yunzhan Gong
128	Improving Analogy-based Software Cost Estimation through Probabilistic-based Similarity Measures	Passakorn Phannachitta, Jacky Keung, Akito Monden and Kenichi Matsumoto
162	On the Security Issues in Web Applications through Cross Site Scripting (XSS)	Vikas Malviya and Atul Gupta
165	Results for compositional timed testing	Boutheina Bannour, Christophe Gaston, Marc Aiguier and Arnault Lapitre

Industry Track

#	title	Authors
197	Software Development through a Deck of Cards: Industrial Experiences with the SEMAT Kernel	Pan-Wei Ng
203	Practitioner-Oriented Visualization in an Interactive Search-Based Software Test Creation Tool	Bogdan Marculescu, Robert Feldt and Richard Torkar
196	Software Engineering Education Program for Software Professionals of High Competency at DENSO	Keiji Kobata, Takuji Uesugi and Hisayoshi Adachi
206	Suggesting Extract Class Refactoring Opportunities by Measuring Strength of Method Interactions	Emiliano Tramontana and Giuseppe Pappalardo
184	A Software and Integration Process Model for Offshore Vessels	David Card
189	Experiences During Extraction of Variability Models for Warehouse Management Systems	Miao Fang, Georg Leyh, Joerg Doerr and Christoph Elsner
198	An Automated Testing Tool for Java Applications using Symbolic Execution based Test Case Generation	Supasit Monpratarnchai, Shoichiro Fujiwara, Asako Katayama and Tadahiro Uehara
190	A Case Study: Verification of Specifications of an Embedded System and Generation of Verification Items using Pairwise Testing	Toshifusa Sekizawa and Tsugu Kotorii
194	Large Scale Model-driven Engineering for a Multi-site Team – Experience Report	Asha Rajbhoj and Vinay Kulkarni
201	A Practical Study of Debugging using Model Checking	Hideto Ogawa, Makoto Ichii, Fumihiko Kumeno and Toshiaki Aoki
202	An Improved Scheduling Mechanism for IBM RFT Framework based on Spreadsheet DDT	Vitit Suthakitmanat, Chakrit Prasatwattana, Warot Adivanathanakul and Maykin Warasart
177	Cloud Service Brokers: An emerging trend in cloud adoption and migration	Bimlesh Wadhwa, Aditi Jaitly and Bharti Suri
199	Testing of Timing Properties in Real-Time Systems: Verifying Clock Constraints	Mehrdad Saadatmand and Mikael Sjödin
200	Business-Driven Acceptance Testing Methodology and its Practice for e-Government Software Systems	Norifumi Nomura, Mikio Aoyama and Yasuhiro Kikushima

Postgraduate Symposium

#	title	Authors
193	A Hybrid Approach for Control Flow Graph Construction from Binary Code	Minh Hai Nguyen, Thien Binh Nguyen, Thanh Tho Quan and Mizuhito Ogawa
188	Mining GitHub: Why Commit Stops - Exploring the Relationship between Developer's Commit Pattern and File Version Evolution	Weicheng Yang, Beijun Shen and Ben Xu
185	Portfolio Cost Management Model (PCMM) from Software Vendor's Perspective	Salman Akbar, Siffat Ullah Khan and Asad Ullah Alam
187	Human Resource Management in the context of Software Multi-Sourcing Relationships: a Proposed Model	Asad Khan Noroz, Siffat Ullah Khan and Asad Ullah Alam
183	SamikshaUmbra: Contribution and Performance Assessment of Software Maintenance Professionals by Mining Software Repositories	Ayushi Rastogi and Ashish Sureka

Workshop IWESEP2013

#	title	Authors
1	Patch Reviewer Recommendation in OSS Projects	John Boaz Lee, Akinori Ihara, Akito Monden and Ken-Ichi Matsumoto
3	Seamless Code Reuse using Source Code Corpus	Tetsuo Yamamoto, Norihiro Yoshida and Yoshiki Higo
6	How Much Do Code Repositories Include Peripheral Modifications?	Noa Kusunoki, Keisuke Hotta, Yoshiki Higo and Shinji Kusumoto
7	Classifying Bug Reports to Bugs and Other Requests Using Topic	Natthakul Pingclasai, Hideaki Hata and Kenichi Matsumoto
14	Bidirectional Translation between OCL and JML for Round-trip	Hiroaki Shimba, Kentaro Hanada, Kozo Okano and Shinji Kusumoto
18	0-1 Programming Model-Based Method for Planning Code Review using Bug Fix History	Hirohisa Aman
20	A Study of the Characteristics of Developers' Activities in GitHub	Saya Onoue, Hideaki Hata and Kenichi Matsumoto
21	Calibrating Productivity Drivers for Software Customisation Projects	Md. Mahmudul Hasan and Chris Lokan
22	Grouping Objects for Execution Trace Analysis based on Design	Tatsuya Toda, Takashi Kobayashi, Noritoshi Atsumi and Kiyoshi Agusa

Workshop QuASoQ

#	title	Authors
4	A Study of the Effect of Data Normalization on Software and Information Quality Assessment	Morgan Ericsson, Welf Löwe, Tobias Olsson, Daniel Toll and Anna Wingkvist
5	Automated identification of ambiguous requirements in agile effort	Florian Raith, Ingo Richter, Robert Lindermeier and Gudrun Klinker
6	Modeling code analyzability at method level in J2EE applications	Panita Meananeatra, Titiphan Kitcharoensup, Ekekachan Rattanaleadnusorn, Boonchai Charoendouysil, Thanapol Wisuttikul and Songsakdi Rongviriyapanish
7	History and Lessons Learned from a Metrics Program at a CMMI Level 3 Company	Matthias Vianden, Horst Lichter, Simona Jeners and Karl-Joachim Neumann