Software Engineering (SE) Track
Technical Program

The SE-Track of SAC 2016 will be held on Wednesday, April 6 and Thursday, April 7, 2016.

SE-1: WED 2:20-4:00 pm (@Aula E)
Session Chair: Byungjeong Lee, University of Seoul, Korea
• Toward Improving Ability to Repair Bugs Automatically --A Patch Candidate Location Mechanism Using Code Similarity – Haruki Yokoyama (Osaka University, Japan), Yoshiki Higo, Keisuke Hotta, Takafumi Ohta, Kozo Okano, Shinji Kusumoto
• A Methodology Towards the Adaptization of Legacy Systems using Agent-oriented Software Engineering Francois Wavresky (Ajou University/Humax, Korea), Seok-Won Lee
• Automated Memory Leak Fixing on Value-Flow Slices for C Programs Hua Yan (University of New South Wales, Australia), Yulei Sui, Shiping Chen, Jingling Xue
• A Meta-Learning Framework for Algorithm Recommendation in Software Fault Prediction Silvia Nunes das Dôres (Pontifical Catholic University of Rio Grande do Sul, Brazil), Luciano Alves, Duncan D. Ruiz, Rodrigo C. Barros
• A Systematic Mapping Study on Mining Software Repositories Mário A. Farias, Renato Novais, Methanias Colaço Jr, Luís Carvalho, Manoel Mendonça, Rodrigo Oliveira Spinola, presented by Thiago Mendes (Federal University of Bahia (UFBA), Brazil)

SE-2: WED 4:30-6:10 pm (@Aula E)
Session Chair: Hermann Kaindl, TU Wien in Vienna, Austria
• Simple Function Points for Effort Estimation: a Further Assessment Filomena Ferrucci, Carmine Gravino, Luigi Lavazza (University of Insubria at Varese, Italy)
• Evaluating and Comparing Complexity, Coupling and a New Proposed Set of Coupling Metrics in Cross-Project Vulnerability Prediction Sara Moshtari, Ashkan Sami (Shiraz University, Iran)
• An Empirical Study on the Effect of Programming Languages on Productivity Luigi Lavazza, Sandro Morasca, Davide Tosi (Università degli Studi dell'Insubria (Varese)/Vodafone, Italy)
• Integrated Analysis of Exception Flows and Handler Actions in Java Libraries: An Empirical Study Demóstenes Sena (Federal Institute of Education, Science and Technology of Rio Grande do Norte-Brazil), Roberta Coelho, Uira Kulesza
• Checking Linearizability with Fine-Grained Traces Zhenyue Long (China Southern Power Grid, China), Yu Zhang

SE-3: THU 11:10 am -12:50 pm (@Galilei)
Session Chair: Matthew Patrick, University of Cambridge, UK
• Is Code Cloning in Games Really Different? Farouq Al-omari (University of Saskatchewan, Canada), Chanchal K. Roy
• Similarity management of `cloned and owned' variants, Thomas Schmorleiz Ralf Lämmel (University of Koblenz-Landau, Germany)
• Architectural Clones: Toward Tactical Code Reuse Daniel E. Krutz (Rochester Institute of Technology, USA), Mehdi Mirakhorli
• Improving the Quality of Code Snippets in Stack Overflow
  Mohammad Reza Tavakoli, Abbas Haydarnoori, Mohammad Ghafari (University of Bern, Switzerland)
• Software-specific Part-of-Speech Tagging: An Experimental Study on Stack Overflow
  Deheng Ye, Zhenchang Xing, Jing Li (Nanyang Technological University (NTU), Singapore), Nachiket Kapre

SE-4: THU 2:20-4:00 pm (@Galilei)
Session Chair: Luigi Lavazza, University of Insubria at Varese, Italy
• Reverse Engineering: a European IPR perspective
  Paolo Ciancarini, Daniel Russo (University of Bologna, Italy), Alberto Sillitti, Giancarlo Succi
• Automated Procedure Clustering for Reverse Engineering PL/SQL Programs
  Metin Altinisik (Turkcell, Turkey), Hasan Sözer
• Model-based Replay Testing for Event-driven Software
  Shakaiba Majeed (Hanyang University, Korea), Minsoo Ryu
• Software Testing in a Scientific Research Group
  Matthew Patrick (University of Cambridge, UK), James Elderfield, Richard O.J.H. Stutt, Andrew Rice, Christopher A. Gilligan
• Students’ and Professionals’ Perceptions of Test-driven Development: A Focus Group Study
  Giuseppe Scanniello, Simone Romano (University of Basilicata, Italy), Davide Fucci, Burak Turhan, Natalia Juristo

SE-5: THU 4:30-6:10 pm (@Galilei)
Session Chair: Eunjee Song, Baylor University, USA
• BPMiner: Mining Developers’ Behavior Patterns from Screen-Captured Task Videos
  Jing Li (Nanyang Technological University, Singapore), Lingfeng Bao, Zhenchang Xing, Xinyu Wang, Bo Zhou
• Optimization of Feature Interactions for Automotive Combustion Engines
  Dominik Wagner, Hermann Kaindl (TU Wien in Vienna, Austria), Sven Dominka, Michael Dübner
• Integrating Feature-based Implementation Approaches using a Common Graph-based Representation
  Benjamin Behringer (University of Luxembourg, Luxembourg), Steffen Rothkugel
• Towards a Generic Framework for Automating Extensive Analysis of Android Applications
  Li Li (University of Luxembourg, Luxembourg), Daoyuan Li, Alexandre Bartel, Tegawendé F. Bissyandé, Jacques Klein, Yves Le Traon
• EMF-REST: Generation of RESTful APIs from Models
  Hamza Ed-douibi (UOC: Open University of Catalonia in Barcelona, Spain), Javier Luis Canovas Izquierdo, Abel Gómez, Massimo Tisi, Jordi Cabot