

ISEC Day 1, Feb 20, 2008

Registration 7:45 - 8:45 AM

Opening and conference introduction 8:45 - 9:00 AM

Keynote session 1 Chair: Pankaj Jalote 9:00AM – 10:15AM

Mary Jean Harrold, Title: TBD

Break 10:15-10:30 AM

ICSE best papers session 10:30AM – 12:00PM

Tracking Code Clones in Evolving Software, Ekwa Duala-Ekoko and Martin P. Robillar

Predicting Faults from Cached History, Sunghun Kim, Thomas Zimmermann, E. James Whitehead Jr. and Andreas Zeller

Lunch 12:00PM – 1:00PM

Paper session I: Modeling and design, Chair: TBD, 1:00 – 2:30 PM

A model-driven approach for developing business applications: experience, lessons learnt and a way forward, Vinay Kulkarni and Sreedhar Reddy

Transformation of SBVR Business Design to UML Models, Amit Raj, T. V. Prabhakar, and Stan Hendryx

A Dynamic and Reactive Approach to the Supervision of BPEL Processes, Sam Guinea and Luciano Baresi

Break and Posters 2:30 – 3:30 PM

1. *Subset Regression Test Selection for Managed Code-base*, Vijaykumar Channakeshava, Vivek Shanbhag, Sala Lakshmanan, Avinash Panigrahi, and Rajendra Sisodia
2. *A Novel Approach to System Testing and Reliability Assessment Using Use Case Model*, Debasish Kundu, Monalisa Sarma, Debasis Samanta
3. *Test Sequence Computation for Regression Testing of Reactive Systems*, Sujit Chakrabarti, Srikant Y N
4. *Precise Static Type Analysis in Component Based Programming Environment*, Soham Chakraborty, Rajeev Kumar
5. *A Use Case Driven Formal Approach to Check Consistency between UI Requirement and Implementation*, Anurag Jain, Banshi Chaudhary
6. *Formalization of UML Diagrams and Their Consistency Verification —A Z Notation Based Approach*, Sabnam Sengupta, Swapan Bhattacharya
7. *UPM: An Eclipse Plug-in to Specify Performance Requirements for UML Models*, Ramrao Wagh

Paper session II: Object oriented analysis and software understanding, Chair: Rajeev Kumar, 3:30 – 5:00 PM

Class Synthesis from Role Collaborations, Anuj Kumar and Banshi Chaudhary

Class-local object invariants, Rustan Leino and Angela Wallenburg

Mining Business Topics in Source Code using Latent Dirichlet Allocation, Santonu Sarkar, Girish Rama, and Kenneth Heafield

Panel: What does it take to publish papers in top conferences? 5:00 PM – 6:00 PM

Banquet 7:00 – 10:00 PM

ISEC Day2 , Feb 21, 2008

Keynote session 1, Chair: Sriram Rajamani, 9 – 10:15AM
Andreas Zeller, Title: Learning from Software

Break 10:15-10:30 AM

FSE best papers session, Chair TBD, 10:30 – 12:00

Mining specifications of malicious behavior, Mihai Christodorescu, Somesh Jha, and Christopher Kruegel
Globally distributed software development project performance: an empirical analysis, Narayan Ramasubbu, and Rajesh Krishna Balan

Lunch 12:00 – 1:00 PM

Paper Session III: Testing, Chair TBD, 1:00 – 2:30 PM

Regression Testing Based-on Slicing of Component-based Software Architectures, Jaiprakash Lallchandani and Rajib Mall

Database-Aware Test Coverage Monitoring, Gregory Kapfhammer and Mary Lou Soffa

Regression Test Selection on System Requirements, Pavan Kumar Chittimalli and Mary Jean Harrold.

Break and Posters 2:30 – 3:30 PM

1. *Class Point Based Effort Estimation of OO Systems using Fuzzy Subtractive Clustering and Artificial Neural Networks*, Selvadurai Kanmani
2. *Architecture Decision within Value-Based Software Engineering concepts*, Jingyu Kim, Sungwon Kang
3. *Ant Colony Based Rule Generation for Reusable Software Component Retrieval*, Rajesh Bhatia, Mayank Dave, Ramesh Joshi
4. *STATEMATE to SCADE Model Translation*, Niket Kulkarni, R Venkatesh, Ulka S, Prasad Bokil
5. *Challenges in Adopting Traditional Process Models in a Package Implementation Scenario*, Vidhya Ganesh
6. *Enabling Reuse of Citizen Centric Government Processes through Service Oriented Architecture*, Bhudeb Chakravarti, Vasudeva Varma
7. *A Survey on Software Test Maturity in Korean Defense Industry*, Junyoung Park, Hoyeon Ryu

Paper Session IV: Development processes and people issues, Chair TBD, 3:30 – 5:00 PM

Design for Six Sigma: Software product quality, Ajit Shenvi

Estimating Software Maintenance Effort - A Neural Network Approach, Ruchi Shukla and A Misra

People Issues Relating to Software Engineering Education and Training in India. Kirti Garg and Vasudeva Varma

Feedback & Discussion 5:00 – 6:00 PM