SCAM 2007

Seventh IEEE International Working Conference on Source Code Analysis and Manipulation

30 September – 1 October 2007
Paris, France

Program at a glance

Sunday, 30th September	
9:00am – 9:15am	**Welcome**
9:15am – 10:30am	**Keynote Speech**: *Oege de Moor* — .QL for Source Code Analysis
10:30am – 11:00am	**Coffee break**
11:00am – 12:30pm	**Session 1: Slicing** — Session Chair: Sebastian Danicic • *Dennis Giffhorn and Christian Hammer* — An Evaluation of Slicing Algorithms for Concurrent Programs • *Mariano Ceccato, Mila Dalla Preda, Jasvir Nagra, Christian Collberg, and Paolo Tonella* — Barrier Slicing for Remote Software Trusting • *Jens Krinke* — Statement-Level Cohesion Metrics and their Visualization
12:30pm – 2:00pm	**Lunch**
2:00pm – 3:30pm	**Session 2. Static Analysis I** — Session Chair: Mark Harman • *Andreas Lochbihler and Gregor Snelting* — On Temporal Path Conditions in Dependence Graphs • *Tobias Gutzmann, Jonas Lundberg, and Welf Löwe* — Towards Path-Sensitive Points-to Analysis • *Eva Magnusson, Torbjörn Ekman, and Görel Hedin* — Extending Attribute Grammars with Collection Attributes — Evaluation and Applications
3:30pm – 4:00pm	**Coffee break**
4:00pm – 5:30pm	**Session 3. Transformations** — Session Chair: Jim Cordy • *Nicolas Juillerat and Béat Hirsbrunner* — Toward an Implementation of the "Form Template Method" Refactoring • *Walter Binder, Jarle Hulaas, and Philippe Moret* — Reengineering Standard Java Runtime Systems through Dynamic Bytecode Instrumentation • *Marius Marin, Leon Moonen, and Arie van Deursen* — An Integrated Crosscutting Concern Migration Strategy and Its Application to JHotDraw • *Arnoldo José Müller Molina and Takeshi Shinohara* — Fast Approximate Matching of Programs for Protecting Libre/Open Source Software by Using Spatial Indexes
7:30pm – 10:00pm	**Social dinner at Chai33 (http://www.chai33.com/) + Best Paper Award** Meet at the restaurant as per directions on the handout.

Monday, 1th October	
9:00am – 10:30am	**Session 4. Static Analysis II** — Session Chair: Jens Krinke • *Eric Larson* - SUDS: An Infrastructure for Creating Bug Detection Tools • *Matthew Naylor and Colin Runciman* — Finding Inputs that Reach a Target Expression • *Jason Sawin and Atanas Rountev* — Improved Static Resolution of Dynamic Class Loading in Java
10:30am – 11:00am	**Coffee break**
11:00am – 12:30pm	**Session 5. Tool Demos** — Session Chair: Keith Brian Gallagher • *Serguei Roubtsov, Alexandru Telea, and Danny Holten* — SQuAVisiT: A Software Quality Assessment and Visualisation Toolset • *Cristina Marinescu* — DATES: Design Analysis Tool for Enterprise Systems • *Jendrik Johannes* — Source Code Composition with the Reuseware Composition Framework
12:30pm – 2:00pm	**Lunch**
2:00pm – 3:30pm	**Session 6. Metrics And Empirical Studies** — Session Chair: • *Huib van den Brink, Rob van der Leek, and Joost Visser* — Quality Assessment for Embedded SQL • *Patricia L. Roden, Shamsnaz Virani, Letha H. Etzkorn, and Sherri Messimer* — An Empirical Study of the Relationship of Stability Metrics and the QMOOD Quality Models over Software Developed Using Highly Iterative or Agile Software Processes • *Lerina Aversano, Luigi Cerulo, and Massimiliano Di Penta* — Relating the Evolution of Design Patterns and Crosscutting Concerns
3:30pm – 4:00pm	**Coffee break**
4:00pm – 5:30pm	**Session 7. Comprehension** — Session Chair: Magiel Bruntink • *Einar W. Høst and Bjarte M. Østvold* — The Programmer's Lexicon, Volume I: The Verbs • *Zhen Ming Jiang and Ahmed E. Hassan* — A Framework for Studying Clones in Large Software Systems • *Dawn Lawrie, Henry Feild, and David Binkley* — Extracting Meaning from Abbreviated Identifiers
5:30pm – 6:30pm	**Open Steering Committee Meeting** **Wrap-Up**