

Wednesday, June 22, 2011

8:00 am-8:45 am	Breakfast and Registration	
8:45 am-9:00 am	Welcome and Introductions	
9:00 am-10:30 am	Keynote: Leon Moonen, Simula Research Laboratory, Norway Building a Better Map: Wayfinding in Software Systems Session Chair: T. Dean	
10:30 am-11:00 am	Break	
11:00 am-12:30 pm	<p>Concept and Feature Location in Source Code Session Chair: Yann-Gaël Guéhéneuc</p> <p>Clustering Support for Static Concept Location in Source Code Giuseppe Scanniello and Andrian Marcus</p> <p>Can Better Identifier Splitting Techniques Help Feature Location? Bogdan Dit, Latifa Guerrouj, Denys Poshyvanyk, and Giuliano Antoniol</p> <p>Improving IR-based Traceability Recovery Using Smoothing Filters Andrea De Lucia, Massimiliano Di Penta, Rocco Oliveto, Annibale Panichella, and Sebastiano Panichella</p>	
12:30 pm-2:00 pm	Lunch	
2:00 pm-3:00 pm	<p>Short Papers Session Chair: Y. Zou (Jenny)</p> <p>Adding Process Metrics to Enhance Modification Complexity Prediction Gabriella Tóth, Ádám Zoltán Végh, Árpád Beszédes and Tibor Gyimóthy</p> <p>Capturing Expert Knowledge for Automated Configuration Fault Diagnosis Mengliao Wang, Xiaoyu Shi and Ken Wong</p> <p>A Lightweight Approach to Uncover Technical Information in Unstructured Data Nicolas Bettenburg, Bram Adams, Ahmed E. Hassan and Michel Smidt</p> <p>MTF: A Scalable Exchange Format for Traces of High Performance Computing Systems Luay Alawneh and Abdelwahab Hamou-Lhadj</p>	<p>Short Papers Session Chair: A. Marcus</p> <p>On Visualization and Comprehension of Scenario-Based Programs Nir Eitan, Michal Gordon, David Harel, Assaf Marron, and Gera Weiss</p> <p>Faceted Navigation for Software Exploration Nan Niu, Anas Mahmoud, and Xiaoyong Yang</p> <p>Subvocalization- Toward Hearing the Inner Thoughts of Developers Chris Parnin</p>
3:00 pm-5:30 pm	<p>Posters and Demos Session Chairs: H. Muller and S. Ratanotayanon (see below)</p>	<p>Student Symposium Session Chairs: D. Poshyvanyk and M. Di Penta (see below)</p>
5:30 pm	Wine and local food event	

Thursday, June 23, 2011

8:00 am-9:00 am	Breakfast and Registration	
9:00 am-10:30 am	<p>Empirical Studies of Programmers Session Chair: Lile Palma Hattori</p> <p>The Influence of the Task on Programmer Behaviour Annie T.T. Ying and Martin P. Robillard</p> <p>Precise and Scalable Querying of Syntactical Source Code Patterns Using Sample Code Snippets and a Database Oleksandr Panchenko, Jan Karstens, Hasso Plattner, and Alexander Zeier</p> <p>Is Aspect-Oriented Programming a Rewarding Investment into Future Code Changes? A Socio-technical Study on Development and Maintenance Time Stefan Endrikat and Stefan Hanenberg</p>	
10:30 am-11:00 am	Break	
11:00 am-12:30 pm	<p>Keynote: Margaret Burnett, Oregon State University, USA Males and Females Developing Software: Are Programming Tools Getting in the Way? Session Chair: Susan Sim</p>	
12:30 pm-2:00 pm	Lunch	
2:00 pm-3:30 pm	<p>Posters and Tool Demonstrations Session Chairs: H. Muller and S. Ratanotayanon (see below)</p>	<p>Industrial Challenge Session Chairs: J. Quante and A. Begel</p>
3:30 pm-4:00 pm	Break	
4:00 pm-5:30 pm	<p>Automating Support for Program Comprehension Session Chair: M. Lanza</p> <p>SmartGroups: Focusing on Task-Relevant Source Artifacts in IDEs David Röthlisberger, Oscar Nierstrasz, and Stéphane Ducasse</p> <p>Generating Parameter Comments and Integrating with Method Summaries Giriprasad Sridhara, Lori Pollock, and K. Vijay-Shanker</p> <p>Design Defects Detection and Correction by Example Marouane Kessentini, Wael Kessentini, Houari Sahraoui and Mounir Boukadoum</p>	
5:30 pm-6:00 pm	Open Steering Committee Meeting	
7:00 pm	Banquet. Cash bar will start at 6:30 pm.	

Friday, June 24, 2011

8:00 am-9:00am	Breakfast
9:00 am-10:30 am	<p>Most Influential Paper from IWPC 2001 Award Session Chair: F. Ricca</p> <p>Margaret-Anne D. Storey, University of Victoria, Canada An Interactive Visualization Environment for Exploring Java Programs: SHriMP Views Revisited</p>
10:30 am-11:00 am	Break
11:00 am-12:30 pm	<p>Collaborative Program Comprehension Session Chair: S. Haiduc</p> <p>Obstacles in Using Frameworks and APIs: An Exploratory Study of Programmers' Newsgroup Discussions Daqing Hou and Lin Li</p> <p>Collective Code Bookmarks for Program Comprehension Anja Guzzi, Lile Hattori, Michele Lanza, Martin Pinzger, and Arie van Deursen</p> <p>Trust-Based Requirements Traceability Nasir Ali, Yann-Gaël Guéhéneuc, and Giuliano Antoniol</p>
12:30 pm-2:00pm	Lunch
2:00 pm-3:30pm	<p>Aspect-Oriented Programming Session Chair: B. Adams</p> <p>AspectMaps: A Scalable Visualization of Join Point Shadows Johan Fabry, Andy Kellens, and Stéphane Ducasse</p> <p>Reasoning about Faults in Aspect-Oriented Programs: A Metrics-Based Evaluation Rachel Burrows, François Taïani, Alessandro Garcia, and Fabiano Cutigi Ferrari</p> <p>Comparison of a Visual and a Textual Notation to Express Data Constraints in Aspect-Oriented Join Point Selections: A Controlled Experiment Domink Stein and Stefan Hanenberg</p>
3:30 pm-4:00 pm	Break
4:00 pm-5:30 pm	<p>Software Evolution Session Chair: M. Di Penta</p> <p>Exploring Large-Scale System Similarity Using Incremental Clone Detection and Live Scatterplots James R. Cordy</p> <p>Software Evolution Comprehension: Replay to the Rescue Lile Hattori, Marco D'Ambros, Michele Lanza, and Mircea Lungu</p> <p>Feature Profiling for Evolving Systems Elmar Juergens, Martin Feilkas, Markus Herrmannsdoerfer, Forian Deissenboeck, Rudolf Vaas, and Karl-Heinz Prommer</p>
5:30 pm-6:00 pm	Closing Session

Tool Demonstrations

The NiCad Clone Detector

James R. Cordy and Chanchal K. Roy

DebCheck: Efficient Checking for Open Source Code Clones in Software Systems

James R. Cordy and Chanchal K. Roy

Anomaly Detection by Monitoring Filesystem Activities

Liang Huang and Kenny Wong

The Concept of Stratified Sampling of Execution Traces

Heidar Pirzadeh, Sara Shanian, Abdelwahab Hamou-Lhadj, and Ali Mehrahabian

SeClone – A Hybrid Approach to Internet-Scale Real-Time Code Clone Search

Iman Keivanloo, Juergen Rilling, and Philippe Charland

Student Symposium

Trustrace: A Trust-Based Traceability Process

Nasir Ali

On the Effect of the Query in IR-based Concept Location

Sonia Haiuc and Andrian Marcus

Scalable Automatic Concept Mining from Execution Traces

Soumaya Medini

An Empirical Study of the Impacts of Clones on Software Maintenance

Manishankar Mondal, Md. Saidur Rahman, Ripon K. Saha, Chanchal K. Roy, Jens Krinke, and Kevin A. Schneider

Towards a Benchmark and Automatic Calibration for IR-Based Concept Location

Scott David Ohlemacher and Andrian Marcus

Satisfying Programmer's Information Needs in API-Based Programming

Chandan Raj Rupakheti and Daqing Hou

A Systematic Analysis of Software Architecture Visualization Techniques

Zohreh Sharafi

Context and Vision: Studying Two Factors Impacting Program Comprehension

Zéphyrin Soh

Modeling Framework API Evolution as a Multi-objective Optimization Problem

Wei Wu

Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach

Minhaz F. Zibran and Chanchal K. Roy

Posters

Change Impact Analysis: An Earthquake Metaphor

Salima Hassaine, Feradaous Boughanmi, Yann-Gaël Guéhéneuc, Sylvie Hamel, and Giuliano Antoniol

Programming from the Reader's Perspective: Toward and Expectations Approach

Gayani Samaraweera, Macneil Shonle, and John Quarles

Toward Intuitive Programming Languages

Andreas Stefik, Susanna Siebert, Kim Slattery, and Melissa Stefik

Industrial Case Study on Supporting the Comprehension of System Behavior Under Load

Mark D. Syer, Bram Adams, and Ahmed E. Hassan