

# IWPSE-2003 Preliminary program

## Day 1 (Sep.1)

- 9:00 - 9:15 **Welcome**
- 9:15 - 10:30 **Keynote**  
David Notkin
- 10:30 - 11:00 **<break>**
- 11:00 - 12:30 **Full paper session #1 (Analysis)**  
**Chair: Tom Mens**
- Program Slicing Tool for Effective Software Evolution Using Aspect-Oriented Technique  
Takashi Ishio, Shinji Kusumoto, Katsuro Inoue (Osaka University, Japan)
- CVS Release History Data for Detecting Logical Couplings  
Harald Gall, Mehdi Jazayeri, Jacek Krajewski (Technical University of Vienna, Austria)
- A Model for Conformance Analysis of Software Documents  
Tien N. Nguyen, Ethan V. Munson (University of Wisconsin-Milwaukee, U.S.A.)
- 12:30 - 2:00 **<lunch>**
- 2:00 - 3:30 **Short paper session #1 (Design & Architecture)**  
**Chair: Atsushi Ohnishi**
- Beyond the Refactoring Browser: Advanced Tool Support for Software Refactoring  
Tom Mens, Tom Tourwe, Francisca Munoz (Vrije Universiteit Brussel, Belgium)
- Dynamic Behavior and Protocol Models for Incremental Changes among a Set of Collaborative Objects  
Nguyen Truong Thang, Takuya Katayama (JAIST, Japan)
- Class Refinement for Software Evolution  
Hiroyuki Ozaki, Katsuhiko Gondow, Takuya Katayama (JAIST, Japan)
- Evolution Stability Through COTS Integration  
Robert Balzer (Teknowledge, U.S.A.)
- Lightweight Prevention of Architectural Erosion  
Ciaran O`Reilly, Philip Morrow, David Bustard (University of Ulster, Northern Ireland)
- Process-Oriented Metrics for Software Architecture Evolvability  
Nary Subramanian, Lawrence Chung (University of Texas at Dallas)
- 3:30 - 4:00 **<break>**
- 4:00 - 5:30 **Full paper session #2 (Metrics & Evaluation)**  
**Chair: Harald Gall**
- How History Justifies System Architecture (or not)  
Thomas Zimmermann, Stephan Diehl, Andreas Zeller (Saarland University, Germany)
- The Chaos of Software Development  
Ahmed E. Hassan, Richard C. Holt (University of Waterloo, Canada)
- Stability and Volatility in the Linux Kernel  
John Champaign, Andrew Malton, Xinyi Dong (University of Waterloo, Canada)

## Day #2 (Sep.2)

**9:00 - 10:00 Keynote**

Roland Mittermeier

**10:30 - 11:00 <break>**

**11:00 - 12:00 Short paper session #2 (Business Rule and Metrics)**

**Chair: Katsuro Inoue**

Using Coordination Contracts for Flexible Adaptation to Changing Business Rules

Michel Wermelinger (University of Nova de Lisboa, Portugal), Georgios Koutsoukos, Richard Avillez, Joao Gouveia, Luis Andrade (ATX Software SA, Portugal), Jose Fiadeiro (University of Leicester, UK)

Business Rule Evolution and Measures in Business Rule Evolution

Liwen Lin, Suzanne Embury, Brian Warboys (University of Manchester, UK)

Reconstruction of Successful Software Evolution Using Clone Detection

Filip Van Rysselberghe, Serge Demeyer (Universiteit Antwerpen, Belgium)

Process-Centric Analytical Processing of Version Control Data

Dirk Draheim, Lukasz Pekacki (Freie Universitat Berlin, Germany)

**12:00 - 13:30 <lunch>**

**1:30 - 3:30 Full paper session #3 (Architectural Evolution)**

**Chair: Ric Holt**

Applying Formal Concepts Analysis to the Construction and Evolution of Domain Frameworks

Felix Prieto, Yania Crespo, Jose M. Marques, Miguel A. Laguna (University of Valladolid, Spain)

Reengineering a PC-based System into the Mobile Device Product Line

Weishan Zhang, Stan Jarzabek (National University of Singapore, Singapore), Neil Loughran, Awais Rashid (Lancaster University, UK)

Experiences with Software Product Family Evolution

Claudio Riva, Christian del Rosso (Nokia, Finland)

The Contribution of Free Software to Software Evolution

Andreas Bauer, Markus Pizka (Technische Universitat Munchen, Germany)

**3:30 - 4:00 <break>**

**4:00 - 4:45 Short paper session #3 (Supporting Tools)**

**Chair: Mikio Aoyama**

Integration and Evolution Method of Scenarios from Different Viewpoints

Zhang Hong Hui, Atsushi Ohnishi (Ritsumeikan University, Japan)

XML-based Tools for Managing the Evolution of Heterogeneous Software

Elaine Isnard, Jean-Charles Mathey, Claude Roblez (Prologue Software, France), Alexandra Galatescu, Valadimir Florian, Laura Costea, Dan Conescu, Radu Bercaru (National Institute for R & D, Romania), Enrique Perez (Virtual Desk, Spain)

Automatic Categorization Algorithm for Evolvable Software Archive

Shinji Kawaguchi (Osaka University, Japan), Pankaj K. Garg (Zee Source, U.S.A.), Makoto Matsushita, Katsuro Inoue (Osaka University, Japan)

**4:45 - 5:15 Wrapup and closing session**