

Program - ProSim'05

Day 1: Saturday, May 14

9:00 – 10:40: **Plenary Session 1 (Room A) – Chair: David Raffo**

Opening [10 min] – David Raffo
Participants' Introduction [30 min] – All

Keynote 1: Open Market Software Development [60 min] – David Weiss

10:40 – 11:00: Coffee/Tea Break

11:00 – 12:30: **Paper Presentation Session 1 – Chairs: Jürgen Münch (Room A), Dietmar Pfahl (Room B)**

Parallel Session 1A: Open Source Processes and Global Software Development (Room A)

Self-Organized Development in Libre Software: a Model based on the Stigmergy Concept (G. Robles, J. J. Merelo, J. M. Gonzalez-Barahona)

Modeling Recruitment and Role Migration Processes in OSSD Projects (C. Jensen, W. Scacchi)

Understanding Open Source and Agile Evolution through Qualitative Reasoning (J. C. Fernández Ramil, A. Capiluppi, N. Smith)

A Simulation Model for Global Software Development Project (D. Raffo, S. Setamanit)

Parallel Session 1B: Simulation-Based Training (Room B)

Model Support for Simulation-Based Training Games: From Behavioral Modeling to User Interactions (G. Olanda Veronese, M. de Oliveira Barros, C. M. Lima Werner)

Teaching by Modeling instead of by Models (T. Birkhoelzer, E. Oh Navarro, A. van der Hoek)

Towards an Interactive Simulator for Software Process Management under Uncertainty (T. Birkhoelzer, C. Dickmann, J. Vaupel, J. Stubenrauch)

Simulation Models Applied to Game-Based Training for Software Project Managers (A. Ribeiro Dantas, M. de Oliveira Barros, C. M. Lima Werner)

12:30 – 14:00: Lunch Break

14:00 – 15:30: **Plenary Session 2 (Room A) – Chair: Dietmar Pfahl**

Keynote 2: Predicting Value from Design [60 min] – Mary Shaw

Topics for Discussion on Day 2 [30 min] – Ioana Rus + Dietmar Pfahl / All

15:30 – 16:00: Coffee/Tea Break

16:00 – 17:30: **Paper Presentation Session 2 – Chairs: Dietmar Pfahl (Room A), Antony Powell (Room B)**

Parallel Session 2A: Business Value and Economics (Room A)

Economic Analysis of Integrated Software Development and Consulting Companies (C. Noujeim, J. Sandrock, C. Weinhardt)

Software Process and Business Value Modeling (R. Madachy)

Size Measurement of Embedded Software System Families (S. Kiebusch, B. Franczyk, A. Speck)

A Software Product Line Process Simulator (Yu Chen, G. C. Gannod, J. S. Collofello)

Parallel Session 2B: Process and Technology Evaluation (Room B)

Evaluating the Impact of a New Technology Using Simulation: The Case for Mining Software Repositories (D. Raffo, T. Menzies)

Towards Interactive Systems Usability Improvement through Simulation Modeling (N. Hurtado, M. Ruiz, J. Torres)

Simulating Problem Report Flow in an Integration Process (D. Houston)

A Software Process Simulation Model of Extreme Programming (M. Melis, I. Turnu, A. Cau, G. Concas)

19:00 – 22:00: ProSim'05 Dinner

Restaurant: Mosaic, 1101 Lucas Avenue, 314 621-6001, <http://www.citymosaic.com/>

Program - ProSim'05 (cont'd)

Day 2: Sunday, May 15

9:00 – 10:00: **Plenary Session 3 (Room A) – Chair: Ioana Rus**

Keynote 3: Estimating the Risk of Releasing Software [60 min] – Brendan Murphy

10:00 – 10:40: **Paper Presentation Session 3 (Room A) – Chair: Ioana Rus**

Topic: Process Modeling
Goal-oriented Composition of Software Process Patterns (J. Münch)
A Conceptual Model of the Software Development Process (D. Kirk, E. Tempero)

10:40 – 11:00: Coffee/Tea Break

11:00 – 12:30: **Paper Presentation Session 4 (Room A) – Chair: Thomas Birkhölzer**

Topic: Simulation Modeling
Implementing Generalized Process Simulation Models (D. Raffo, U. Nayak, W. Wakeland)
DEVS-based Software Process Simulation Modeling: Formally Specified, Modularized, and Extensible SPSM (Keungsik Choi, Doo-Hwan Bae, TagGon Kim)
Effective Resource Allocation for Process Simulation: A Position Paper (M. S. Raunak, L. J. Osterweil)
Towards an Agile Development Method of Software Process Simulation (N. Angkasaputra, D. Pfahl)

12:30 – 14:00: Lunch Break

14:00 – 14:40: **Paper Presentation Session 5 (Room A) – Chair: Dietmar Pfahl**

Topic: People Issues
People Applications in Software Process Modeling and Simulation (R. Madachy)
Understanding Team Forming in Software Development (S. T. Acuña, M. Gómez, N. Juristo)

14:40 – 15:40: **Plenary Session 4 (Room A) – Chair: David Raffo**

Hot Topics Discussion – Pfahl + Rus / All

15:40 – 16:00: Coffee/Tea Break

16:00 – 17:30: **Plenary Session 5 (Room A) – Chair: Ioana Rus**

3-4 Demos [60 min] – Tentative: M. Barros, T. Birkhölzer, M. Melis
Closing [30 min] – David Raffo

19:00 – 22:00: Dinner (not included in ProSim registration fee)

*Restaurant: Broadway Oyster Bar, 736 South Broadway, 517-7597 (Vicki) or 581-3609 (John), <http://www.broadwayoysterbar.com/>, Cajun cuisine, Outdoor patio available, live jazz/ blues music
The food is Cajun Creole. Estimated cost about \$20 per person with a drink. Participants will pay and order off the menu.*