

FACS03 Programme

DAY 1: MONDAY, 8 SEPTEMBER

09:00 - 09:30 WELCOME

- *He Jifeng, UNU/IIST, Macao SAR China*

09:30 - 10:30 KEYNOTE SPEAKER 1

Chair: He Jifeng

- *Manfred Broy, TUM Germany*
Multi-view Modeling of Software Systems

10:30 - 11:00 COFFEE BREAK

11:00 - 13:00 SESSION 1: MODELS AND SPECIFICATIONS

Chair: Bernhard Aichernig

- *Sun Meng and Bernhard K Aichernig, UNU/IIST, Macao SAR China*
A Coalgebraic Calculus for Component Based Systems
- *Nuno Rodrigues, Sidereus and Luis Barbosa, University of Minho, Portugal*
On the Specification of Component Repository
- *Claire Pagetti, Franck Cassez and Olivier Roux, IRCCyN, France*
Hierarchical Modeling and Verification of Timed Systems in Timed AltRica
- *Nuno Amalio, Susan Stepney and Fiona Polack, York University, UK*
Modular UML semantics: Interpretations in Z based on Templates and Generics

13:00 - 14:00 LUNCH

14:00 - 15:00 KEYNOTE SPEAKER 2

Chair: Anders Ravn

- *He Jifeng, UNU/IIST, Macao SAR China*
A Contract-oriented Approach to CBP

15:00 - 16:00 SESSION 2: DEPENDENCY AND COORDINATION

Chair: Dang Van Hung

- *Shui-Ming Ho and Kung-Kiu Lau, University of Manchester, UK*
Catlysis frameworks in first-order logic
- *Nasreddine Aumeur and Gunter Saake, Otto-von Guericke University, Germany, and Jose Luiz Fiadeiro, University of Leicester, UK*
Coordination Contracts Conceptualization and Validation Using Component-Based Petri Net

16:00 - 16:30 COFFEE BREAK

16:30 - 18:00 SESSION 2: DEPENDENCY AND COORDINATION (con'd)

Chair: Dang Van Hung

- *Sotiris Moschoyiannis, Michael W Shields, University of Surrey, UK, and Juliana Kuster-Filipe, University of Edinburgh, UK*
Formalizing well-behaved components
- *Bernd Schoeller, Swiss Federal Institute of Technology, Switzerland*
Strengthening Eiffel Contracts Using Models
- *I.S.W.B. Prasetya and T.E.J. Vos, Universitdad Politecnica, de Valencia, S.D. Swierstra, Utrecht University, the Netherland, and B. Widjaja, Universitas Indonesia*
A Theory of composing distributed components based on temporary interface

DAY 2: TUESDAY, 9 SEPTEMBER

8:30 - 9:30 KEYNOTE SPEAKER 3

Chair: Kung-Kiu Lau

- *Tom Maibaum, King College, UK*
Title: TBA

9:30 - 10:30 SESSION 3: APPLICATIONS

Chair: Zhiming Liu

- *Piotr Makowski and Anders P. Ravn, University of Aalborg, Denmark*
Component based development - where is the place for formalism?
- *Elena Troubitsyna, Abo Akademi University, Finland*
Developing fault-tolerant control system composed of self-checking components in the action systems formalism

10:30 - 11:00 COFFEE BREAK

11:00 - 11:30 SESSION 3: APPLICATIONS (con'd)

Chair: Zhiming Liu

- *Vishnu Kotrajaras, Chulalongkorn University, Thailand*
Towards an agent-searchable software component using CafeOBJ specification and semantic Web

11:30 - 12:45 PANEL SESSION

Chair: Tom Maibaum

Panelists: He Jifeng, Kung-Kiu Lau, Tom Maibaum, Anders Ravn, and Ugo Montanari

CLOSE

13:00 - 14:00 LUNCH