

FACS'05 — Call for Participation

2nd International Workshop on Formal Aspects of Component Software

UNU-IIST, Macao — October 24-25, 2005

Venue:

UNU-IIST
Casa Silva Mendes
Est. do Engenheiro Trigo, 4
Macao SAR, China

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Organization:

UNU-IIST

Registration:

Please register until 15th October at
www.iist.unu.edu/facs05/

Contacts:

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OC Chair:

He Jifeng, UNU-IIST, Macao
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Travel & Local Arrangements:

Alice Pun, UNU-IIST, Macao
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Background and Objectives

Component-based software emerged as a promising paradigm to deal with the ever increasing need for mastering systems' complexity, their evolution and reuse, and driving software production into sound engineering standards. Soon, however, it became a popular technology long before consensual definitions and principles, let alone formal foundations, have been put forward. Issues like mathematical models for components, their interaction and composition, or rigorous approaches to verification, deployment, testing and certification remain open research questions and challenging opportunities for formal methods. Moreover, new challenges are raised by applications to non conventional areas, such as safety-critical, mobile, and/or embedded systems. The objective of this workshop is to bring together researchers in the areas of component software and formal methods to promote a deep understanding of this paradigm and its applications. In particular, the Workshop will be interested in defining the common aspects of components and component-based development.

Programme

MONDAY, 24TH OCTOBER

- 09.00 *Welcome*
- 09.30 Invited Talk: Farhad Arbab (CWI, Leiden University and University of Waterloo)
REO: A Coordination Model for Component Composition
- 10.30 Coffee Break
- 11.00 Session 1 (3 presentations)
- 12.30 Lunch
- 14.00 Invited Talk: He Jifeng (UNU-IIST)
Towards a Theory of Components and their Composition
- 15.00 Session 2 (3 presentations)
- 16.30 Coffee Break
- 17.00 Session 3 (3 presentations)
- 18.30 End_of_Day_1

- 20.00 *Workshop Dinner*

TUESDAY, 25TH OCTOBER

- 09.00 Invited Talk: Paolo Ciancarini (Università di Bologna)
On the Education of Future Software Engineers
- 10.00 Coffee Break
- 10.30 Session 4 (4 presentations)
- 12.30 Lunch
- 14.00 Invited Talk: Rolf Hennicker (Ludwig-Maximilians-Universität München)
A Component Model for Architectural Programming
- 15.00 Session 5 (3 presentations)
- 16.30 Coffee Break
- 17.00 Session 6 (2 presentations)
- 18.00 *Closing Session*
- 18.30 End_of_Day_2

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