2nd International Workshop on

Developments in Computational Models

DCM 2006

A satellite event of ICALP 2006, Venice - Italy

Call for Papers DCM 2006

2nd International Workshop on Developments in Computational Models

16 July 2006, Venice, Italy

Several new models of computation have emerged in the last few years, and many developments of traditional computational models have been proposed with the aim of taking into account the new demands of computer systems users and the new capabilities of computation engines. A new computational model, or a new feature in a traditional one, usually is reflected in a new family of programming languages, and new paradigms of software development.

The aim of this workshop is to bring together researchers who are currently developing new computational models or new features for traditional computational models, in order to foster their interaction, to provide a forum for presenting new ideas and work in progress, and to enable newcomers to learn about current activities in this area. DCM 2006 will be a one-day satellite event of ICALP 2006 related to TRACK B, which will take place in Venice, 2006. The first DCM workshop took place in Lisbon in 2005, as a satellite event of ICALP 2005.

Topics

Topics of interest include all abstract models of computation and their applications to the development of programming languages and systems. This includes (but is not limited to): Functional calculi: lambda-calculus, rho-calculus, term and graph rewriting; Object calculi; Interaction-based systems: interaction nets, games; Concurrent models: process calculi, action graphs; Calculi expressing locality, mobility, and active data; Quantum computational models; Biological or chemical models of computation.

Submissions and Publication

Authors are invited to submit an abstract (max. 5 pages) by e-mail to `dcm@lix.polytechnique.fr` by 30 April 2006. Preliminary proceedings will be available at the workshop. Submissions should be in PostScript or PDF format, using ENTCS style files.

After the workshop authors are invited to submit a full paper of their presentation. Accepted contributions will appear in an issue of Elsevier's Electronic Notes in Theoretical Computer Science.

Important Dates

- Submission Deadline for Abstracts: 30 April 2006
- Notification: 21 May 2006
- Pre-proceedings version due: 11 June 2006
- Workshop: 16 July 2006

Programme Committee

- Jos Baeten, Eindhoven University of Technology (The Netherlands)
- Horatiu Cirstea, LORIA (France)
- Mariangiola Dezani, University of Torino (Italy)
- François Fages, INRIA (France)
- Mário Florido, University of Porto (Portugal)
- Simon Gay, University of Glasgow (UK)
- Radha Jagadeesan, DePaul University (USA)
- Jean-Pierre Jouannaud, École Polytechnique (France), Co-chair
- Ian Mackie, École Polytechnique (France) and King's College London (UK), Co-chair
- Herbert Wiklicky, Imperial College London (UK)

Workshop web page: `http://www.dcm-workshop.org.uk/2006`