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Invited Speakers:

C. Baier (Dresden, Germany)
J. Brzozowski (Waterloo, ON, Canada)
A. Păun (Ruston, USA; Madrid, Spain)
N. Schweikardt (Frankfurt, Germany)



Organizing Committee:

Jürgen Dassow (Chair)
Catharina Berner
Ronny Harbich
Bernd Reichel
Bianca Truthe



Important Dates:

Submission: April 20, 2009
Notification: May 30, 2009
Final papers: June 18, 2009



DCFS 2009 will take place in Magdeburg 10 years after its predecessor DCAGRS (Descriptive Complexity of Automata, Grammars and Related Structures) was held there for the first time. The workshop will be jointly organized by the IFIP Working Group 1.2 on Descriptive Complexity and by the Faculty of Computer Science of the Otto von Guericke University Magdeburg.



Topics of interest:

Submissions concerning the descriptive complexity of formal systems and structures (and its applications) are invited for DCFS 2009.

Topics include, but are not limited to various measures of descriptive complexity of automata, grammars, languages and of related systems, trade-offs between descriptive complexity and mode of operation, circuit complexity of Boolean functions and related measures, succinctness of description of (finite) objects, descriptive complexity in resource-bounded or structure-bounded environments, structural complexity, descriptive complexity of formal systems for applications (e.g. software reliability, software and hardware testing, modelling of natural languages), descriptive complexity aspects of nature-motivated (bio-inspired) architectures and unconventional models of computing, Kolmogorov complexity and descriptive complexity.

Submissions:

Authors are invited to submit a paper presenting original research concerning the topics of the workshop. For submission instructions, please see the conference web site.

Contact:

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