



# 13th International Workshop Descriptive Complexity of Formal Systems

July 25–27, 2011, Vicinity of Giessen, Germany



## Invited Speakers:

Jarkko Kari (Turku, Finland)  
Friedrich Otto (Kassel, Germany)  
Stefan Schwoon (Cachan, France)  
Denis Thérien (Montreal, QC, Canada)

## Important Dates:

Submission: March 21, 2011 (extended deadline)  
Notification: April 18, 2011  
Final papers: May 9, 2011



## Program Committee:

Jean-Marc Champarnaud (Rouen, France)  
Erszébet Csuha-Varjú (Budapest, Hungary)  
Zoltán Ésik (Szeged, Hungary)  
Markus Holzer (Giessen, Germany), (Co-chair)  
Galina Jirásková (Košice, Slovakia)  
Martin Kutrib (Giessen, Germany), (Co-chair)  
Carlos Martín-Vide (Tarragona, Spain)  
Tomáš Masopust (Brno, Czech Republic, and Amsterdam, The Netherlands)  
Ian McQuillan (Saskatoon, SK, Canada)  
Carlo Mereghetti (Milano, Italy)  
Victor Mitrană (București, Romania)  
Alexander Okhotin (Turku, Finland)  
Giovanni Pighizzini (Milano, Italy), (Co-Chair)  
Bala Ravikumar (Sonoma, USA)  
Rogério Reis (Porto, Portugal)  
Kai Salomaa (Kingston, ON, Canada)  
Bianca Truthe (Magdeburg, Germany)



## Organizing Committee:

Susanne Gretschel  
Markus Holzer (Co-Chair)  
Sebastian Jakobi  
Martin Kutrib (Co-Chair)  
Andreas Malcher  
Heinz Rübeling  
Matthias Wendlandt (Co-Chair)

The 13th International Workshop on Descriptive Complexity of Formal Systems (DCFS) will take place in Limburg near Giessen, Germany. The city of Limburg lies in the west of the province Hessen between the Taunus and the Westerwald in the beautiful Lahn valley and it looks back on a history of more than 1100 years. The workshop will be organized by the Institut für Informatik of the Justus-Liebig-Universität Giessen.



## Topics of interest:

Submissions concerning the descriptive complexity of formal systems and structures (and its applications) are invited for DCFS 2011. Topics related to all aspects of descriptive complexity, including, but not limited to automata, grammars, languages and related systems, various measures and modes of operations, trade-offs between computational models and/or operations, succinctness of description of (finite) objects, state explosion-like phenomena, circuit complexity of Boolean functions and related measures, resource-bounded or structure-bounded environments, frontiers between decidability and undecidability, universality and reversibility, structural complexity, formal systems for applications (e.g., software reliability, software and hardware testing, modelling of natural languages), nature-motivated (bio-inspired) architectures and unconventional models of computing, Kolmogorov complexity.

## Submissions:

Authors are invited to submit a paper (12 pages) presenting original research concerning the topics of the workshop. For submission instructions, please see the conference website at

<http://www.informatik.uni-giessen.de/dcfs2011/>

The proceedings will be published in the Springer Lecture Notes in Computer Science (LNCS) series. As in previous years, a special journal issue with full versions of selected papers will be devoted to DCFS.

## Contact:

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