

# GandALF 2010

## First International Symposium on Games, Automata, Logics, and Formal Verification

### Minori, Amalfi Coast, Italy, June 17-18, 2010

## CALL FOR PAPERS

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#### Objectives

The aim of the symposium is to bring together researchers from academia and industry which are actively working in the fields of Games, Automata, Logics, and Formal Verification. The idea is to cover an ample spectrum of themes, ranging from theory to concrete applications, and to stimulate cross-fertilization. Papers focused on formal methods are especially welcome. Authors are invited to submit original research or tool papers on any relevant topic in these areas. Papers discussing new ideas that are at an early stage of development are also welcome.

#### Indicative list of topics

The topics covered by the conference include, but are not limited to, the following:

Automata Theory

Automated Deduction

Logical aspects of Computational Complexity

Concurrency and Distributed computation

Decision Procedures

Deductive, Compositional, and Abstraction Techniques for Verification

Finite Model Theory

First-order and Higher-order Logics

Formal Languages

Formal Methods for Complex Systems (e.g., Interactive Systems, Systems Biology)

Games and Automata for Verification

Game Semantics

Game Theory

Hybrid, Embedded, and Mobile Systems Verification

Logics of Programs

Modal and Temporal Logics

Model Checking

Models of Reactive and Real-Time Systems

Program Analysis and Software Verification

Specification and Verification of Finite and Infinite-state Systems

Synthesis and Execution

#### Paper Submission

Submissions, not exceeding fifteen (15) pages using EPTCS format, should be unpublished and contain original research. For papers reporting experimental results, authors are encouraged to make their data available with their submission. Papers must be submitted in PDF or PS format by using **EasyChair**.

#### Important Dates

Abstract submission March 21, 2010

Paper submission March 28, 2010

Acceptance notification May 1, 2010

Final version May 20, 2010

Conference June 17-18, 2010

#### Invited Speakers

Mikolaj Bojańczyk (Poland)

Javier Esparza (Germany)

Wolfgang Thomas (Germany)

#### Proceedings

The proceedings will be published by Electronic Proceedings in Theoretical Computer Science. A special issue of a major international journal to publish an extended and revised version of the best symposium papers is also under consideration.

#### Info

Please visit the conference website <http://gandalf.dia.unisa.it> for more information.