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Proceedings of the 1st Symposium on Games, Automata, Logic, and Formal Verification (GandALF)

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# Preface

It is our pleasure to write this foreword to the proceedings of the first Symposium on "Games, Automata, Logic, and Formal Verification (GandALF)", held in Minori (Amalfi coast), Italy, 17-18 June 2010. The symposium has been promoted by a number of Italian computer scientists interested in mathematical logic, automata theory, game theory, and their applications to the specification, design, and verification of complex systems. Such a research community involves people from a number of Italian universities. Its members participate in various Italian and international projects on related topics. Many of them have a high-level internationally-recognized scientific profile.

The Symposium covers a large spectrum of research topics, ranging from theoretical aspects to concrete applications. Its aim is to provide a forum where people from different areas, and possibly with a different background, can successfully interact. Even though the idea of the symposium emerged within the Italian research community, the event has a truly international nature, as witnessed by the composition of the program committee and by the final program.

The invited talks have been given by Mikołaj Bojańczyk, Javier Esparza, Pino Persiano, and Wolfgang Thomas. We received 31 abstract submissions from 13 different countries (Austria, Bulgaria, Czech Republic, France, Germany, India, Italy, Luxembourg, Netherlands, Romania, Russian Federation, United Kingdom, United States). 26 of them have been turned into actual paper submissions. 16 papers have been selected for presentation and publication in these proceedings. The selection of the papers was based on originality, quality, and relevance to the topics of the symposium. Each paper received at least 3 reports and final decisions about acceptance/rejection benefitted from an extensive electronic discussion among program committee members. An extended and revised version of the best symposium papers will be invited for submission to a special issue of one of the major computer science journals.

We wish to thank all the authors of the submitted papers for their interest in GandALF 2010. We also thank the program and organizing committees and all referees for their fruitful work. We gratefully acknowledge the support to GandALF 2010 from private and public sponsors, especially from the Dipartimento di Informatica ed Applicazioni "R.M. Capocelli" and the Gruppo Nazionale per il Calcolo Scientifico. The support and encouragement of the Advisory Chairs helped us a lot to guarantee a high-quality level to the symposium. Finally, let us thank EPTCS for having hosted the Symposium proceedings and for their invaluable contribute to the open access practice.

We hope that GandALF will rapidly become a significant annual appointment for the scientists working in the areas of Games, Automata, Logic, and Formal Verification. We would like to conclude our preface with the words from one of the invited speakers:

It seems to me that Gandalf may be a new element of the landscape! And of course, I will be coming to Minori and I am already dreaming about walking around in the lemon groves.

June 2010

Angelo Montanari, Margherita Napoli, and Mimmo Parente

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**Additional Referees**

|                              |                            |
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