

COMPUTATION TOOLS 2014

Foreword

The Fifth International Conference on Computational Logics, Algebras, Programming, Tools, and Benchmarking (COMPUTATION TOOLS 2014), held between May 25-29, 2014 in Venice, Italy, continued an event under the umbrella of ComputationWorld 2014 dealing with logics, algebras, advanced computation techniques, specialized programming languages, and tools for distributed computation. Mainly, the event targeted those aspects supporting context-oriented systems, adaptive systems, service computing, patterns and content-oriented features, temporal and ubiquitous aspects, and many facets of computational benchmarking.

The advent of advanced computing embracing various forms of computational intelligence, large-scale strategies, and technology-oriented approaches relies on fundamental achievements in systems and feature specification, domain-oriented programming and deployment platforms and benchmarking.

We take here the opportunity to warmly thank all the members of the COMPUTATION TOOLS 2014 Technical Program Committee, as well as all of the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and efforts to contribute to COMPUTATION TOOLS 2014. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the COMPUTATION TOOLS 2014 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that COMPUTATION TOOLS 2014 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the areas of computational logics, algebras, programming, tools, and benchmarking.

We are convinced that the participants found the event useful and communications very open. We hope that Venice, Italy, provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

COMPUTATION TOOLS 2014 Chairs:

Kenneth Scerri, University of Malta, Malta

Alexander Gegov, University of Portsmouth, UK

Ahmed Khedr, University of Sharjah, UAE

Torsten Ullrich, Fraunhofer Austria Research GmbH - Graz, Austria

Zhiming Liu, UNU-IIST, Macao

Lev Naiman, University of Toronto, Canada

Ingram Bondin, University of Malta, Malta

Tomáš Bublík, Czech Technical University in Prague, Czech Republic