

# **FUTURE COMPUTING 2013**

## **Foreword**

The Fifth International Conference on Future Computational Technologies and Applications (FUTURE COMPUTING 2013), held between May 27 and June 1, 2013 in Valencia, Spain, targeted advanced computational paradigms and their applications. The aim was to cover (i) the advanced research on computational techniques that apply the newest human-like decisions, and (ii) applications on various domains. The new development led to special computational facets on mechanism-oriented computing, large-scale computing and technology-oriented computing. They are largely expected to play an important role in cloud systems, on-demand services, autonomic systems, and pervasive applications and services.

We take here the opportunity to warmly thank all the members of the FUTURE COMPUTING 2013 Technical Program Committee, as well as the numerous reviewers. The creation of such a broad and 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 FUTURE COMPUTING 2013. 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 FUTURE COMPUTING 2013 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that FUTURE COMPUTING 2013 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field future computational technologies and applications.

We are convinced that the participants found the event useful and communications very open. We hope that Valencia, Spain provided a pleasant environment during the conference and everyone saved some time to explore this historic city.

**FUTURE COMPUTING 2013 Chairs:**

**FUTURE COMPUTING General Chair**

Javier Aguiar, University of Valladolid, Spain

### **FUTURE COMPUTING Advisory Chairs**

Cristina Seceleanu, Mälardalen University, Sweden

Hiroyuki Sato, The University of Tokyo, Japan

Miriam A. M. Capretz, The University of Western Ontario - London, Canada

Kendall E. Nygard, North Dakota State University - Fargo, USA

Vladimir Stantchev, Berlin Institute of Technology, Germany

Marek J. Druzdzal, University of Pittsburgh, USA

### **FUTURE COMPUTING 2013 Industry/Research**

Francesc Guim, Intel Corporation, Spain

Wolfgang Gentzsch, Expert HPC, Germany