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Preface

The International Symposium on Distributed Computing and Artificial Intelligence 2011 (DCAI 2011) is a stimulating and productive forum where the scientific community can work towards future cooperation on Distributed Computing and Artificial Intelligence areas. This conference is the forum to present application of innovative techniques to complex problems. Artificial intelligence is changing our society. Its application in distributed environments, such as internet, electronic commerce, environment monitoring, mobile communications, wireless devices, distributed computing, to cite some, is continuously increasing, becoming an element of high added value with social and economic potential, both industry, life quality and research. These technologies are changing constantly as a result of the large research and technical effort being undertaken in universities, companies. The exchange of ideas between scientists and technicians from both academic and industry is essential to facilitate the development of systems that meet the demands of today's society.

This edition of DCAI brings together past experience, current work and promising future trends associated with distributed computing, artificial intelligence and their application to provide efficient solutions to real problems. This symposium is organized by the Bioinformatics, Intelligent System and Educational Technology Research Group (<http://bisite.usal.es/>) of the University of Salamanca. The present edition has been held in Salamanca, Spain, from 6 to 8 April 2011.

This symposium continues to grow and prosper in its role as one of the premier conferences devoted to the quickly changing landscape of distributed computing, artificial intelligence and the application of AI to distributed systems. This year's technical program presented both high quality and diversity, with contribution in well established and evolving areas of research. This year, 72 papers were submitted from over 13 different countries (Spain, Japan, Germany, India, Brazil, France, USA, Russia, Thailand, Poland, Qatar, Portugal, Egypt), representing a truly "wide area network" of research activities. The DCAI'11 technical program has 55 selected papers (50 long papers, 5 short papers).

We thank the Local Organization members and the Program Committee members for their hard work, which was essential for the success of DCAI'11 and the support obtained by Junta de Castilla y León (Spain).

Salamanca
April 2011

Ajith Abraham
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