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Editors

# Distributed Computing and Artificial Intelligence

10th International Conference

 Springer

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# Preface

The International Symposium on Distributed Computing and Artificial Intelligence 2013 (DCAI 2013) is a forum to present applications of innovative techniques for solving complex problems. Artificial intelligence is changing our society. Its application in distributed environments, such as the internet, electronic commerce, environment monitoring, mobile communications, wireless devices, distributed computing, to mention only a few, is continuously increasing, becoming an element of high added value with social and economic potential, in industry, quality of life and research. These technologies are changing constantly as a result of the large research and technical effort being undertaken in both universities and businesses. The exchange of ideas between scientists and technicians from both the academic and industry sector is essential to facilitate the development of systems that can meet the ever-increasing demands of today's society. The present edition brings together past experience, current work and promising future trends associated with distributed computing, artificial intelligence and their application in order to provide efficient solutions to real problems.

This conference is a stimulating and productive forum where the scientific community can work towards future cooperation in Distributed Computing and Artificial Intelligence areas. Nowadays it is continuing 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 will present both high quality and diversity, with contributions in well-established and evolving areas of research. Specifically, 101 papers were submitted from over 19 different countries (Colombia, Czech Republic, Finland, France, Germany, Greece, Italy, Japan, Libya, Mauritius, Mexico, Morocco, Poland, Portugal, Romania, Slovakia, Spain, Thailand, Tunisia), representing a truly "wide area network" of research activity. The DCAI'13 technical program has selected 75 papers. As in past editions, it will be special issues in journals such as Journal of Artificial Intelligence (IJAI), the International Journal of Imaging and Robotics (IJIR) and the International Journal of Interactive Multimedia and Artificial Intelligence (IJIMAI). These special issues will cover extended versions of the most highly regarded works.

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 was held in Salamanca, Spain, from 22nd to 24th May 2013.

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Salamanca  
May 2013

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