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Distributed Computing and Artificial Intelligence

7th International Symposium

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Preface

The International Symposium on Distributed Computing and Artificial Intelligence (DCAI'10) is an annual forum that 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 Biomedicine, Intelligent System and Educational Technology Research Group (<http://bisite.usal.es/>) of the University of Salamanca. The present edition has been held at the Polytechnic University of Valencia, from 7 to 10 September 2010, within the Congreso Español de Informática (CEDI 2010). Technology transfer in this field is still a challenge, with a large gap between academic research and industrial products. This edition of DCAI aims at contributing to reduce this gap, with a stimulating and productive forum where these communities can work towards future cooperation with social and economical benefits. This conference is the forum in which 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 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, 123 papers were submitted from over 11 different countries, representing a truly "wide area network" of research activities. The DCAI technical program has 88 selected papers (74 long papers, 10 short papers and 4 doctoral consortium).

We thank the Local Organization members and the Program Committee members for their hard work, which was essential for the success of DCAI'10.

Salamanca
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