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92

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Advances in Intelligent and Soft Computing

Editor-in-Chief

Prof. Janusz Kacprzyk
Systems Research Institute
Polish Academy of Sciences
ul. Newelska 6
01-447 Warsaw
Poland
E-mail: kacprzyk@ibspan.waw.pl

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Ambient Intelligence – Software and Applications

2nd International Symposium on Ambient
Intelligence (ISAmI 2011)

Editors

Prof. Paulo Novais
Universidade do Minho
Departamento de Informática
Campus de Gualtar
4710-057 Braga
Portugal

Dr. Davy Preuveneers
Katholieke Universiteit Leuven
Department of Computer Science
Celestijnenlaan 200A, 02.152
B-3001 Heverlee
Belgium

Prof. Juan M. Corchado
Universidad de Salamanca
Departamento de Informática
y Automática
Facultad de Ciencias
Plaza de la Merced S/N
37008, Salamanca
Spain
E-mail: corchado@usal.es

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Preface

Ambient Intelligence (AmI) emerged about a decade ago as a user-centred computing paradigm envisioning the information society of 2010-2020. In AmI, the focus is on an almost invisible integration of computational power and communication technologies in everyday objects, ranging from smartphones to consumer electronics, to guarantee a natural and user friendly human computer interaction experience. Nowadays, this inter-disciplinary field is evolving quickly due to new challenges posed by innovative applications in the area of health and wellness, smart environments for assisted living, social networks, ambient media and entertainment, intelligent transportation, and other personalized services that aim to make everyone's life even more comfortable.

For AmI to flourish, interaction with technology in the surroundings should be smooth and happen without people actually noticing it. The only awareness people should have arises from the goals of AmI itself: more safety, comfort and wellbeing, emerging in a natural way.

ISAmI is the International Symposium on Ambient Intelligence, and aims to bring together researchers from various disciplines that are interested in all aspects of Ambient Intelligence. The symposium provides a forum to present and discuss the latest results, innovative projects, new ideas and research directions, and to review current trends in this area.

This volume presents the papers that have been accepted for the 2011 edition, both for the main event and workshop. The ISAmI workshop WoRIE promises to be a very interesting event that complements the regular program with an emerging topic on reliability of intelligent environments. The papers in these proceedings report on innovative results and advances achieved recently in AmI area. With a full programme composed of 22 long papers and 7 short papers, and 4 long papers accepted in the workshop, these proceedings capture the most innovative results and advances in 2011. Each paper has been reviewed by, at least, three different reviewers, from an international committee composed of 44 members from 23 countries.

We would like to thank all the contributing authors, as well as the members of the Program Committee and the Local Organizing Committee for their hard and

highly valuable work. Your work has helped the ISAmI symposium to become a success. Thanks for your help; ISAmI 2011 would not have existed without your contribution.

April 2011

The editors
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