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Paulo Novais · Gianni Vercelli ·  
Josep L. Larriba-Pey · Francisco Herrera ·  
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# Ambient Intelligence – Software and Applications

11th International Symposium  
on Ambient Intelligence

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# Preface

One of the main trends that is centering the main interest of researchers both in computer science and in many other areas is artificial intelligence (AI). Environmental intelligence (AmI) is directly related to AI to the extent that several authors point out that it is the “AI in the environment.” This shows a clear approach that AmI aims to apply technology and AI for the benefit of humans. More specifically, AmI studies the user context and leverages the knowledge gained to provide intelligent solutions.

In recent years, with the emergence of the Internet of things (IoT) paradigm, which allows for the detailed measurement of relevant environmental information, both the number of studies and applications related to AmI have increased considerably, making AmI one of the most important parts of the computer science area. AmI is applicable in trendy areas such as smart cities, transportation, smart homes, ambient care and safety or intelligent workplaces.

ISAmI is the International Symposium on Ambient Intelligence, aiming to bring together researchers from various disciplines that constitute the scientific field of AmI to present and discuss the latest results, new ideas, projects, and lessons learned. Brand new ideas will be greatly appreciated as well as relevant revisions and actualizations of previously presented work, project summaries, and PhD thesis.

This year’s technical program will present both high quality and diversity, with contributions in well-established and evolving areas of research. Specifically, 48 papers were submitted by authors from over 10 different countries (Greece, Italy, Japan, UK, Portugal, Spain, or Turkey, among others), representing a truly “wide area network” of research activity.

The ISAmI technical program has selected 22 papers, and as in past editions, there will be special issues in JCR-ranked journals such as Information Fusion, Neurocomputing, Electronics, IEEE Open Journal of the Communications Society, and Smart Cities. Moreover, ISAmI’20 workshops have been a very useful tool in order to complement the regular program with new or emerging topics of particular interest to the participating community.

This symposium is organized by the Universidade do Minho, Universitat Politècnica de Catalunya, University of Granada, Università di Genova, and University of Salamanca. The present edition was held in L'Aquila, Italy, from October 7 to 9, 2020.

Paulo Novais  
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