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Preface

The UCAmI Conference brings together the fields of ubiquitous computing (UC), which is defined as the integration of human factors, computer science, engineering and social sciences, with a paradigm built upon UC, called ambient intelligence (AmI), which refers to sensitive electronic environments responsive to the presence of people. Thus, altogether, the core of the conference is a complete notion that mutually inspires UC and AmI. In particular, UCAmI 2016 focused on research topics related to ambient assisted living, Internet of Things, smart cities, ambient intelligence for health, human-computer interaction, ad hoc and sensor networks, and security.

This year we celebrated in Gran Canaria, Canary Islands, Spain, the 10th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI 2016), which included the International Work Conference on Ambient Assisted Living (IWAAL), and the International Conference on Ambient Intelligence for Health (AmIHEALTH). The program of this joint event included a rich variety of technical sessions to cover the most relevant research topics of each conference. Since its first meeting back in 2005 the event has grown significantly, as shown by its increasing number of participants. For UCAmI 2016, a total of 145 submissions were received, and the acceptance rate for long papers and doctoral consortium papers was 51 %. All submissions were peer reviewed by at least three members of the Program Committee. The reviewers' comments and recommendations were taken into consideration while selecting submissions for inclusion in the proceedings, and were communicated to the authors. Authors whose manuscripts were accepted were asked to address the reviewers' comments. We would like to thank all the authors who submitted their work for consideration and also the reviewers for providing their detailed and constructive reviews in a timely manner.

Furthermore, in an effort to increase the visibility of the contributions of UCAmI, selected papers were invited for submission as extended versions in the journals: *Sensors*, *Mobile Information Systems*, *Journal of Ambient Intelligence and Humanized Computing*, and *International Journal of Computational Intelligence Systems*. We would like to thank the distinguished editors of these journals for providing us with these opportunities.

Finally, we would like to thank all organizers (i.e., University of Las Palmas de Gran Canaria and MAmI Research group), and the reviewers (members of the Program Committee) for helping us by contributing to a high-quality event and proceedings book on the topics of ubiquitous computing and ambient intelligence. Special thanks are due to the staff of Springer in Heidelberg for their valuable support.

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