

	<p align="center">16th The International Conference on Intelligent Systems Design and Applications (ISDA'2016)</p> <p align="center">Porto, Portugal, 14-16 December, 2016</p> <p align="center">http://www.mirlabs.org/isda16/</p>
Title of Session	Workshop on Future Environments and Solutions for Ambient Intelligence (FESAmI)
Objectives and scope	<p>The Ambient Intelligence can be envisioned as a digital environment that is sensitive/responsive to people, and it is composed of intelligent interfaces dispersed across an environment that aim to seamlessly interact and adapt to human needs. This broad vision addresses all areas of human life, such as home, work, healthcare, travel and leisure activities and it is a very active area of research, which is attracting an increasing number of professionals (both in academia and industry) worldwide.</p> <p>The objective of this special session is to provide an opportunity for researchers to provide further insight into the problems solved at this stage, advantages and disadvantages of the various approaches used, lessons learned, and meaningful contributions to enhance AmI vision. In this sense, the special session on Future Environments and Solutions for Ambient Intelligence (FESAmI) will provide a forum for the presentation and discussion of novel research ideas or actual deployments focused on the development of advanced Intelligent Environments.</p>
Topics of Interest	<p>The topics of interest for this special session include, but are not limited to:</p> <ul style="list-style-type: none"> • Intelligent optimization techniques • Software engineering techniques • Virtual and mixed realities • Collaborative Systems in e-education and e-learning • Ambient Intelligence applied to health and social care • Environments supporting carers • Agent cooperation and negotiation • Adaptation, learning and personalization • Ambient Assisted Living • Mobile Computing • Big Data- Machine Learning • Robotics • Evaluation, ethical and legal issues
Session Chair / Co-chair	<p>Dalila Durães (<i>Technical University of Madrid, Madrid, Spain</i>)</p> <p>Marco Gomes (<i>University of Minho, Braga, Portugal</i>)</p> <p>João Ferreira (<i>ISCTE - University of Lisbon, Lisbon, Portugal</i>)</p>

Scientific Committee (Tentative)	<p>Ângelo Costa, University of Minho (Portugal)</p> <p>António Costa, University of Minho (Portugal)</p> <p>Antonio Fernández Caballero, Universidad de Castilla-La Mancha (Spain)</p> <p>Cesar Analide, University of Minho (Portugal)</p> <p>David Carneiro, University of Minho (Portugal)</p> <p>Ester Martinez, Jaume-I University (Spain)</p> <p>Fábio Silva, University of Minho (Portugal)</p> <p>Goreti Marreiros, Polytechnic of Porto (Portugal)</p> <p>Ichiro Satoh, National Institute of Informatics Tokyo (Japan)</p> <p>Javier Bajo, Universidad Politécnica de Madrid (Spain)</p> <p>Joel Rodrigues - University of Beira Interior (Portugal)</p> <p>José Carlos Castillo, University Carlos III of Madrid (Spain)</p> <p>Paulo Novais, University of Minho (Portugal)</p> <p>Ricardo Costa, Polytechnic of Porto (Portugal)</p> <p>Rui A. Costa, UbiWhere (Portugal)</p> <p>Shin'ichi Konomi, University of Tokyo, (Japan)</p> <p>Tiago Oliveira, University of Minho (Portugal)</p>
Contact Information	<p>Dalila Durães (d.alves@alumnos.upm.es)</p>
Brief Biography of the session Organizers	<p>Dalila Durães is a young researcher at the Department of Artificial Intelligence in Technical University of Madrid, Spain. She develops scientific research in the field of Artificial Intelligence, with applications in Human-Computer Interaction and Learning Frequent Behavioral Pattern. Her main interest lies in acquiring information in a non-intrusive way, from the human's interaction with the computer, namely to assess attention and engagement.</p> <p>Marco Gomes is a Ph.D. candidate at the University of Minho, where he further research on Intelligent Environments to Support Decision-Making Processes. He is also holding a Master's of Science degree in Informatics (Theme: Behavioural and Context Analysis in an ODR Environment) and a bachelor's degree in Computer Science and Mathematics both from University of Minho.</p> <p>Moreover, he is a researcher at Intelligent Systems Lab at Department of Informatics at the University of Minho. His primary research interests focus on Ambient Intelligence (Aml), Behavioral Analysis and Conflict topics. Currently, He is pursuing</p>

the following main lines of research, despite being naturally different, share some core ideas that bind them: the use of noninvasive and non-intrusive approaches; the use of techniques from Artificial Intelligence/Intelligent Systems; the training of the appropriate models with data collected from behavioral studies.

João C. Ferreira is Professor at ISCTE - Instituto Universitário de Lisboa and Consultant with different companies and institutions. He's graduated in Physics at the Technical University of Lisbon (UTL/IST), Portugal, received an MSc in Telecommunication, a PhD degree in Computer Science Engineering from UTL/IST and a 2nd PhD in Industrial Eng^a at Minho University. His professional and research interests are in retrieval, geographic and multimedia retrieval, data mining, Electric Vehicle, Intelligent Systems, intelligent transportation (ITS) and sustainable mobility systems. He is president of IEEE Portuguese chapter for Computational Intelligence Society. He is the author of over 140 scientific papers of international conferences and workshops in different areas of computer science. He oriented with success, 2 PhD students, 45 masters students and over 50 final year projects.