

	<p style="text-align: center;">16th The International Conference on Intelligent Systems Design and Applications (ISDA'2016)</p> <p style="text-align: center;">Porto, Portugal, 14-16 December, 2016</p> <p style="text-align: center;">http://www.mirlabs.org/isda16/</p>
<p>Title of Session</p>	<p>Decision Making Intelligent Systems: Trends and Applications</p>
<p>Objectives and scope</p>	<p>Decision Support Systems are interactive software-based system intended to support business and organizational decision-making activities in order to help decision makers to compile information, model business processes, solve problems and make decisions.</p> <p>The advent of the Web has enabled inter-organizational decision support systems, and has given rise to numerous challenges and applications of existing technology as well as many new decision support technologies.</p> <p>This special session intends to present and discuss the original analysis of recent developments and applications in several areas of Computational Intelligence, Decision Support Systems and Information System, in general.</p>
<p>Topics of Interest</p>	<p>The topics of interest for this special session include, but are not limited to:</p> <ul style="list-style-type: none"> • Optimization-based decision support models • Collaborative support systems • Human-Computer Interaction for Interactive Systems • Web-based Decision Support Systems • Intelligent User Interfaces • User Modeling preferences • Natural interfaces and ambiguity solving techniques • Bio-Inspired Computation, Evolutionary Computing, Evolutionary Programming and Evolutionary Strategies, Meta-Heuristics: Theory and Foundations. • Intelligent Agents and Multi-Agent Systems • Hybrid Intelligent Systems • Complex and Biological Inspired systems • Simulation and evolution of real and artificial life forms • Intelligent Models and Control Systems • Knowledge & Learning Technologies

	<ul style="list-style-type: none"> • Cognitive Computing • Self-Organized and Distributed Systems • Intelligent Manufacturing Systems • Applications: Manufacturing, Logistics and Supply chain management, Biomedical and Bioinformatics, Business, Medicine, Banking, Financing, Social Networks
Session Chair / Co-chair	Ana Maria Madureira Leonilde Varela

Scientific Committee	
Contact Information	Ana Maria Madureira, ISEP/IPP, Portugal, amd@isep.ipp.pt Leonilde Varela, Minho University, Portugal, leonilde@dps.uminho.pt

<p>Brief Biography of the session Organizer</p>	<p>Name: Ana Maria Dias Madureira Pereira</p> <p>Personal Data Nationality: Portuguese</p> <p>Academic Titles</p> <p>Graduated (Licenciatura) in Computer Science at Institute of Engineering - Polytechnic of Porto in 1993.</p> <p>Master in Electrical and Computer Engineering in 1996 from Porto University</p> <p>Ph.D. in Production and Systems in 2003 from Minho University</p> <p>Academic Career</p> <p>From 1994 to 2001 - Teaching assistant at the Department of Computer Science Engineering of the Institute of Engineering (ISEP) of the Polytechnic Institute of Porto.</p> <p>Since 2001 Professor at the Department of Computer Science Engineering of the School of Engineering (ISEP) of the Polytechnic Institute of Porto.</p> <p>She has been responsible for several undergraduate and graduate final projects in the area of computer science and artificial intelligence.</p> <p>R&D Activities</p> <p>Main research interests: Artificial Intelligence, Decision-Support Systems, Optimization, Meta-heuristics, Evolutionary Computation, Scheduling, Manufacturing, Multi-Agent Systems, Autonomic Computing, Workflow, BPM.</p> <p>Member of GECAD – Knowledge Engineering and Decision-Support Research Group, coordinates the Knowledge-based Systems and the Power Systems Groups</p> <p>Coordinates R&D projects in the area of Artificial Intelligence and Distributed Scheduling, concerning namely the development of Multi-Agent System for Distributed Manufacturing Scheduling with Biologically Inspired Techniques and Autonomic Computing.</p> <p>Published more than 70 scientific papers in international conferences and in international scientific journals and books.</p>
--	--

Name: Maria Leonilde Rocha Varela

Personal Data

Nationality: Portuguese

Academic Titles

Graduated (Licenciatura) in Production and Systems – University of Minho in 1994.

Master in Computer Integrated Manufacturing in 1999 from University of Minho

Ph.D. in Production and Systems in 2007 from University of Minho.

Academic Career

From 1994 to 2003 - Teaching assistant at the Department of Production and Systems of the School of Engineering of the Minho University.

Since 2003 Assistant Professor at the Department of Production and Systems of the School of Engineering of the Minho University.

She has been responsible for several undergraduate and graduate final projects in the area of Production and Systems.

R&D Activities

Main research interests: Manufacturing Planning and Control, Scheduling, Decision-Support Systems, Web based systems and services, Optimization, Artificial Intelligence and Meta-heuristics.

Member of the EWG-DSS – Euro Working Group of Decision Support Systems

Coordinates R&D projects in the area of Production and Systems Engineering, concerning namely the development of Web-based platforms and decision support systems and methodologies.

Published more than 70 scientific papers in international conferences and in international scientific books and journals.