

	<p><b>Sixth World Congress on Nature and Biologically Inspired Computing (NaBIC2014)</b></p> <p>Porto, Portugal, July 30th to 1st August, 2014</p> <p><a href="http://www.mirlabs.net/nabic14/">http://www.mirlabs.net/nabic14/</a></p>
<b>Title of Session</b>	<b>Decision Making Intelligent Systems: Trends and Applications</b>
<b>Objectives and scope</b>	<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>
<b>Topics of Interest</b>	<p>The topics of interest for this special session include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Optimization-based decision support models</li> <li>• Collaborative support systems</li> <li>• Human-Computer Interaction for Interactive Systems</li> <li>• Web-based Decision Support Systems</li> <li>• Intelligent User Interfaces</li> <li>• User Modeling preferences</li> <li>• Natural interfaces and ambiguity solving techniques</li> <li>• Bio-Inspired Computation, Evolutionary Computing, Evolutionary Programming and Evolutionary Strategies, Meta-Heuristics: Theory and Foundations.</li> <li>• Intelligent Agents and Multi-Agent Systems</li> <li>• Hybrid Intelligent Systems</li> <li>• Complex and Biological Inspired systems</li> <li>• Simulation and evolution of real and artificial life forms</li> <li>• Intelligent Models and Control Systems</li> <li>• Knowledge &amp; Learning Technologies</li> <li>• Cognitive Computing</li> <li>• Self-Organized and Distributed Systems</li> <li>• Intelligent Manufacturing Systems</li> <li>• Applications: Manufacturing, Logistics and Supply chain management, Biomedical and Bioinformatics, Business, Medicine, Banking, Financing, Social Networks</li> </ul>
<b>Session Chair / Co-chair</b>	<p><b>Ana Maria Madureira</b>  <b>Leonilde Varela</b></p>

<b>Scientific Committee</b>	
<b>Contact Information</b>	Ana Maria Madureira, ISEP/IPP, Portugal, <a href="mailto:amd@isep.ipp.pt">amd@isep.ipp.pt</a> Leonilde Varela, Minho University, Portugal, <a href="mailto:leonilde@dps.uminho.pt">leonilde@dps.uminho.pt</a>
<b>Brief Biography of the session Organizer</b>	<p><b>Name: Ana Maria Dias Madureira Pereira</b></p> <p><b>Personal Data</b> Nationality: Portuguese</p> <p><b>Academic Titles</b></p> <ul style="list-style-type: none"> <li>▪ Graduated (Licenciatura) in Computer Science at Institute of Engineering - Polytechnic of Porto in 1993.</li> <li>▪ Master in Electrical and Computer Engineering in 1996 from Porto University</li> <li>▪ Ph.D. in Production and Systems in 2003 from Minho University</li> </ul> <p><b>Academic Career</b></p> <ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ Since 2001 Professor at the Department of Computer Science Engineering of the School of Engineering (ISEP) of the Polytechnic Institute of Porto.</li> <li>▪ She has been responsible for several undergraduate and graduate final projects in the area of computer science and artificial intelligence.</li> </ul> <p><b>R&amp;D Activities</b></p> <ul style="list-style-type: none"> <li>▪ Main research interests: Artificial Intelligence, Decision-Support Systems, Optimization, Meta-heuristics, Evolutionary Computation, Scheduling, Manufacturing, Multi-Agent Systems, Autonomic Computing, Workflow, BPM.</li> <li>▪ Member of GECAD – Knowledge Engineering and Decision-Support Research Group, coordinates the Knowledge-based Systems and the Power Systems Groups</li> <li>▪ Coordinates R&amp;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.</li> <li>▪ Published more than 70 scientific papers in international conferences and in international scientific journals and books.</li> </ul>

**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.