

	<p style="text-align: center;">The 19th International Conference on Intelligent Systems Design and Applications (ISDA 2019)</p> <p style="text-align: center;">University of Pretoria, South Africa, 03-05 December 2019</p> <p style="text-align: center;">http://www.mirlabs.org/isda19/welcome.php</p>
Title of Session	Intelligent Engineering and Management Systems and Approaches for Industry 4.0 oriented Collaborative Networks
Objectives and scope	<p>The aim of this Special Session is to promote theoretical and empirical research on Intelligent Engineering and Management systems and approaches proposals oriented to Industry 4.0 and in the context of collaborative networks. The main purpose is to highlight the importance of artificial intelligence based models, methods and tools in collaborative industrial networks to enable manufacturing enterprises to take a step forward in the Industry 4.0 era.</p> <p>Organizers of this special session invite researchers to contribute with original research articles as well as surveys and case studies articles in the field of intelligent systems and applications in engineering and management collaborative networks. It provides a forum for researchers and practitioners to review and disseminate quality research work, and to identify critical issues for further developments on this topics.</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 Manufacturing Systems • Artificial Intelligence based Models and Methods • Success case studies of industrial AI based applications and systems • Modelling and simulation for Smart Manufacturing • Intelligent Information Systems for Industry 4.0 • Cyber-Physical Systems • Collaborative manufacturing and management strategies and models • Advanced intelligent systems • Knowledge based systems and Expert systems for Intelligent Manufacturing Systems • Agent/Multi-agent based approached for collaborative Manufacturing • Other developments in Intelligent Manufacturing Systems
Session Chair / Co-chair	<p>Leonilde Varela Ana Maria Madureira Vijaya Kumar Manupati</p>
Scientific Committee	<p>Leonilde Varela, University of Minho, Portugal Ana Maria Madureira, ISEP/IPP, Portugal Vijaya Kumar Manupati, NIT Warangal, India José Machado, University of Minho, Portugal Justyna Trojanowska, Poznan University of Technology, Poland Ivanov, Vitalii, Faculty of Technical Systems and Energy Efficient Technologies, Ukraine</p>
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