



TRACK OF SESSIONS

“Innovative Mechatronic Systems for Added Value Applications”

The Track “Innovative Mechatronic Systems for Added Value Applications” is divided in four sub-domains, being each one addressed to a Special Session.

Those domains are:

- 1. Design of Cyber-Physical and Manufacturing Systems (SS1.3)**
 - Co-Chair: Prof. Filomena Soares
- 2. Design of Medical Devices and Smart Healthcare Systems (SS1.4)**
 - Co-Chair: Prof. Vitor Carvalho
- 3. Problem Solving in Industry (SS1.5)**
 - Co-Chair: Prof. João Mendonça
- 4. Engineering Education (SS1.6)**
 - Co-Chair: Prof. Celina Pinto Leão

Chair and Co-Chair of this track invite scientists and engineers from academia and industry, responsible for designing and using those systems, to submit original unpublished results which are not under review in any other conference or journal, to the peer review for publication and representation, in the following, but not limited to the topics areas:

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|-------------------------------|--------------------------------------------------------|
| - Modelling | - System analysis and control |
| - Simulation | - Discrete-Event systems |
| - Formal verification | - Real-time systems |
| - Synthesis | - Continuous-time systems |
| - Design | - Intelligent manufacturing systems |
| - Embedded systems | - Intelligent models and control systems |
| - Networked Systems | - Optimization-based decision support models |
| - Interoperability | - Web-based decision support systems |
| - Internet of Things | - Soft modelling in production engineering |
| - Industry 4.0 | - Knowledge and learning technologies |
| - Software engineering | - Applications of methods and decision support systems |
| - Hardware engineering | - Emerging methodologies in engineering education |
| - Sensors technology | - Knowledge-based learning |
| - Intelligent Robotic Systems | |

Target Attendees

- Scientists and engineer from academia and industry

Chair:

- Prof. José Machado (jmachado@dem.uminho.pt), MEtRICs Research Center, University of Minho, Portugal

Organizing Committee: