



Special issue call for papers from International Journal of Mechatronics Applied Mechanics

Call for Papers

Special Issue of International Journal of Mechatronics Applied Mechanics

“Mechatronic Systems – Applications and Technology Transfer”

Submission Deadline: June 15, 2017

Guest Editors:

José Machado, University of Minho, Portugal

jmachado@dem.uminho.pt

Luís Farinha, Instituto Politécnico de Castelo Branco & UBI-NECE, Portugal

Background and Special Issue Purpose

This Special Issue on **Mechatronic Systems – Applications and Technology Transfer** focuses on modeling, design, analysis, synthesis, control and interoperability of industrial mechatronic systems considering the five main domains involved: Mechanics, Electronics, Automation, Control and Informatics for improving dependability of mechatronic systems. From all these systems, the focus is centered on both: Applications and Technology Transfer considering those added value systems, highly considered on this special session. Software engineering, automotive engineering, robotics, communication, and control systems' architectures are considered crucial aspects to be considered.

CALL FOR PAPERS:

Are invited 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and engineers from academia and industry responsible for designing and using those systems to submit original unpublished results which are not under review in any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 presentation, in the following, but not limited to, the following topic areas of this special session:

- Discrete Event Systems;
- Real-Time Systems;
- Modeling;
- Simulation;
- Formal Verification;
- Synthesis;
- Design;
- Embedded systems;
- Networked systems;
- Interoperability;
- Software engineering;
- Sensors technology
- Intelligent Robotic systems
- System analysis and control
- Mechatronic Systems
- Intelligent Manufacturing Systems
- Intelligent Models and Control Systems
- Optimization-based Decision Support Models
- Web-based Decision Support Systems
- Data Mining
- Soft Modeling in Production Engineering
- Knowledge & Learning Technologies
- Decision Support Systems in Production Engineering