

CC4. Mechatronics, Robotics and Components

At the time of submission of your paper in PaperPlaza, by first selecting "Mechatronics, Robotics and Components", the following keywords in the right column will be listed. By selecting one of them as your "1st keyword", your paper will be handled and reviewed by the members of the IFAC Technical Committee (TC) shown in the left column. For more on Technical Committees under this theme, please see <https://tc.ifac-control.org/4>.

TC Name	Keywords
4.2. Mechatronic Systems	Application of mechatronic principles
	Biomedical mechatronics
	Design methodologies
	Hardware-in-the-loop simulation
	Human mechatronics
	Identification and control methods
	Mechatronic systems
	Mechatronics
	Mechatronics for mobility systems
	Micro and nano mechatronic Systems
	Modeling
	Motion control systems
	Smart structures
	System analysis and optimization
	Vibration control
4.3. Robotics	Autonomous robotic systems
	Embedded robotics
	Field robotics
	Flying robots
	Guidance navigation and control
	Information and sensor fusion
	Intelligent robotics
	Mobile robots
	Networked robotic system modeling and control
	Perception and sensing
	Robot ethology
	Robotics technology
	Robots manipulators
	Telepresence
	Telerobotics
	Underwater robotics
4.5. Human Machine Systems	Adaptive automation
	Assistive technology and rehabilitation engineering
	Brain-machine interaction
	Cognitive systems engineering
	Co-Learning and self-learning
	Decision making; Decision support
	Design, modelling and analysis of HMS
	Human operator support
	Human-centred automation and design
	Human-centred computing
	Intelligent interfaces
	Knowledge modelling and knowledge based systems
	Modeling of human performance
	Multi-modal interaction
	Robustness and resilience of human-machine systems (HMS)
	Security and safety of HMS
	Shared control, cooperation and degree of automation
	Task and functional allocation
	Work in real and virtual environments