



MECHATRONICS

Call for Papers

Focused Section on Wireless Mechatronics

Wireless mechatronic devices, services and systems are experiencing fast growth in a variety of application fields, such as manufacturing, transportation and healthcare. For instance, it is envisaged that service and personal care wireless mechatronic systems will become more and more prevalent at home in the near future and will be very useful in assistive healthcare particularly for the elderly and disabled. Another concrete example is RFID-based devices and systems which are showing significant potentials in applications from manufacturing, security, logistics, airline baggage management to postal tracking. In an effort to disseminate current advances on wireless mechatronics, a focused session in this area will be published in IEEE/ASME Transactions on Mechatronics (TMECH). The papers should contain both theoretical and practical/experimental results and will be subject to TMECH review procedures. Potential topics include but are not limited to:

- RFID-based wireless mechatronic devices, systems and applications
- Wireless bio-mechatronic sensors, devices and systems
- Wireless mechatronic multi-agent systems
- Wireless mechatronic autonomous systems and ambient intelligence
- Wireless mechatronic embedded systems
- Wireless mechatronic teleoperation, telemonitoring and distributed control systems
- Wireless telemedicine, telesurgery, and e-health
- Wireless robotic and haptic systems
- Wireless mechatronics in various applications, such as automotive, aerospace, manufacturing, education, healthcare, renewable energy and electrical vehicular systems
- Development, verification and debug tools for wireless mechatronic systems

Manuscript preparation:

Papers must contain original contributions and be prepared in accordance with TMECH standards. Instructions for authors are available online at: <http://www.ieee-asme-mechatronics.org>

Manuscript submission:

Manuscripts should be submitted through the online submission service available at: <http://mc.manuscriptcentral.com/tmech-ieee>. The cover letter should report the following statement: "This paper is submitted for possible publication in the focused section on *Wireless Mechatronics*. All manuscripts will be subjected to the peer review process. If you have any question relating to this Focused Section, please email one of the Guest Editors.

Important dates:

Paper Submission	June 1, 2011
Completion of First Review	September 1, 2011
Submission of Revised Papers	October 15, 2011
Completion of Final Review	December 7, 2011
Submission of Final Manuscripts and Copyright Forms	January 7, 2012
Publication	June 2012

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