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Sent: Wednesday, October 05, 2011 9:59 AM
To: Pargett, Douglas
Subject: Call for Papers: Focused Section on Bio-Inspired Mechatronics - Transactions on Mechatronics

Call for Papers - Focused Section on Bio-Inspired Mechatronics

Biological systems have evolved to find just-good-enough solutions to survive in complex and uncertain environments. By understanding and adapting the underlying principles of these solutions to engineering systems, many new mechatronic systems that can operate in unstructured environments robustly and efficiently have been proposed recently. On the other hand, such bio-inspired mechatronic systems could be used to model complex biological systems to understand them in detail. This Focused Section of the IEEE/ASME Transactions on Mechatronics (TMECH) is dedicated to the new advances in modeling, design, analysis, manufacturing, control, and implementation of bio-inspired mechatronic systems and related technologies. Multidisciplinary papers are encouraged. Potential topics include but are not limited to:

- Bio-inspired locomotion systems
- Bio-inspired mechanism design
- Bio-inspired control methods
- Bio-inspired sensors and actuators
- Bio-inspired manufacturing methods
- Applications of bio-inspired systems
- Modeling of bio-inspired systems

Manuscript Submission

Please submit the manuscripts in PDF format to <http://mc.manuscriptcentral.com/tmech-ieee/>, and indicate on your cover letter that "This paper is submitted for possible publication in the Focused Section on Bio-Inspired Mechatronics." Instructions for authors are available online at: <http://www.ieee-asme-mechatronics.org>. The papers should contain both the theoretical and practical/experimental results and are subject to the TMECH review procedures. If you have any questions relating to this Focused Section, please email one of the guest editors.

Important Dates:

November 1, 2011 Paper Submission

February 1, 2012 Completion of First Review

March 15, 2012 Submission of Revised Paper

June 1, 2012 Completion of Final Review

July 1, 2012 Submission of Final Manuscripts and Copyright Forms

October 2012 Publication

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