

# 2011 IEEE International Conference on Systems, Man, and Cybernetics

## October 9-12, 2011, Anchorage, Alaska



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## Tutorials/Workshops

### Tutorials and Workshops offered on **October 9, 2011**:

- For enrollment in any of the Tutorials/Workshops listed below, IEEE SMC 2011 charges non-IEEE student attendees a small CDROM processing fee of \$20 USD (additional to the conference registration fee). Paid attendees will receive a CDROM copy of presentation materials.
- IEEE Student Members may attend a Tutorial/Workshop free of charge with paid conference registration.

### IMPORTANT DATES

**April 15, 2011:** Proposal Submission Deadline for Tutorial/Workshop Sessions. [[original call](#)]

**May 15, 2011:** Acceptance/Rejection Notification for Tutorial/Workshop Sessions.

**July 5, 2011:** Deadline for submitting tutorial/workshop materials (including workshop papers)

**October 9, 2011:** Tutorial/Workshop Sessions.

### Tutorial/Workshop Chairs, SMC 2011

[Professor Peter Xu](#), The University of Auckland and Massey University, Auckland, New Zealand  
[Professor Jianda Han](#), State Key Laboratory of Robotics, Chinese Academy of Sciences, Shenyang, China

## IEEE SMC 2011 Tutorials/Workshops

(1) Tutorial - <b>Intelligence Technology for Cyber-Physical Robot System</b> Presenter: Professor Jong-Hwan Kim Duration of Tutorial: Full Day <a href="#">Abstract</a> <a href="#">Presenter's Biography</a>
(2) Tutorial - <b>Model-Based Systems Engineering</b> Presenter: Professor Dov Dori Duration of Tutorial: Full Day <a href="#">Abstract</a> <a href="#">Presenter's Biography</a>
(3) Workshop - <b>Robust Machine Learning Technologies for Human Activity Detection using Body-Worn Sensors</b> Organizers: Dr. Ricardo Chavarriaga, Dr. Daniel Roggen and Prof. Dr. Alois Ferscha Presenters: Prof. Nobuo Kawaguchi, Prof. Paul Lukowicz, Dr. Kristof Van Laerhoven, and Dr. Thomas Ploetz Duration of Tutorial: Full Day <a href="#">Abstract</a> <a href="#">Organizer &amp; Presenter Biographies</a>
(4) Tutorial - <b>Enterprise Engineering from an Ontological Perspective</b> Presenters: Mr. John Zachman, Professor Alta van der Merwe and Professor Auroa Gerber Duration of Tutorial: Full Day <a href="#">Abstract</a> <a href="#">Presenter Biographies</a>
(5) Tutorial - <b>Smart Grid - An Intelligent Cyber-Physical Power System</b> Presenter: Professor G. K. Venayagamoorthy Duration of Tutorial: Full Day <a href="#">Abstract</a> <a href="#">Presenter's Biography</a>
(6) Tutorial - <b>Practical Feature Selection</b> Presenters: Professor Josef Kittler, Professor Pavel Pudil and Dr. Petr Somol Duration of Tutorial: Half Day <a href="#">Abstract</a> <a href="#">Presenter Biographies</a>
(7) Tutorial - <b>Adaptive Biometric Systems That Can Improve With Use</b> Presenter: Professor Fabio Roli Duration of Tutorial: Half Day <a href="#">Abstract</a> <a href="#">Presenter's Biography</a>

**For information regarding the Workshop on Brain-Machine Interfaces to be held October 10-11, 2011, [click here](#).**

### (1) Intelligence Technology for Cyber-Physical Robot System

This tutorial consists of four parts: the basic concepts of Cyber-Physical Robot System (CPRS) and intelligence technology, the degree of consideration-based mechanism of thought (DoC-MoT), multi-objective quantum-