



Conferència de la Societat Catalana de Tecnologia

La sessió se celebrarà el **divendres 21 d'octubre de 2011**, a les 10.00 hores,
a la sala de juntes de la Facultat d'Informàtica de Barcelona
(edifici B6 del Campus Nord de la UPC, carrer Jordi Girona Salgado, 1-3,
de Barcelona).

Títol: «Towards Artificial/Computational Wisdom»

**Ponent: Dr. Rene V. Mayorga,
W.I.S.E. Lab, University of Regina, Canadà**

This Talk aims to promote a discussion on the development of Artificial / Computational Sapience (Wisdom) as new fields. A brief history, state of the art, and current developments on these novel fields are presented. Those important aspects that are common/similar as well as different to Artificial / Computational Intelligence are particularly discussed. Also, a Paradigm, from a Cybernetics point of view, for Sapient (Wise) Systems is presented. Finally, some suggestions for the further development of Artificial / Computational Sapience (Wisdom) are provided.

Brief Biography

Dr. Rene V. Mayorga, is a Full Professor and the head of the *W.I.S.E* (Wise & Intelligent Systems & Entities) Lab at the University of Regina.

Dr. Mayorga is interested in the development of Paradigms for Intelligent and Sapient (Wise) Systems; and their application to Mechatronics (Systems Modeling/Operation), Robotics (Robot and Multi-Robot Systems Motion Planning and Design), Control Systems, Automation, Manufacturing (Decision Making, Optimization), Human-Computer Interaction & Interface (Web Intelligence/Sapience), and Bionics (Augmented Perception).

He is the Editor in Chief of the scientific journal: *Applied Bionics and Biomechanics*, and Associate Editor for the *Journal Intelligent Service Robotics*, the *International Journal of Robotics and Automation*, and the *Journal of Robotics*. He recently co-edited with Dr. L. I. Perlovsky the book: *Toward Artificial Sapience, Principles and Methods for Wise Systems*, Springer December, 2007. He has been appointed recently as General Chair of the *1st International Conference on Applied Bionics and Biomechanics*, and also in several occasions as the General Chair of the *ANIROB International Symposium of Robotics and Automation*, and the Editor of the corresponding Proceedings.