



**Special track on
“Control, Identification, and Modeling
of Complex Dynamical Plants”
for INCOM2009**

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<http://incom09.org/>

Track Chair

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Control and identification of complex dynamical plants in various technological and nature fields in many cases are challenges for control researchers and specialists in the fields under investigation. These challenges give rise long term projects to achieve final solutions. New statements of the problems in such fields, new ideas and approaches, progress in achieving new practical and scientific results may be of great interest and importance for the world society. Outcomes and fresh engineering solutions may influence essentially on other areas of science and technology, generate some revolutionary R&D directions.

Topics

The aim of this track is to collect the latest advances in the specific challenging fields of complex dynamical plants control, identification, and modeling. The topics to this invited track include but are not restricted to:

- Theory and methods of robust and adaptive systems design,
- Plasma control and investigation in thermonuclear installations,
- Fission reactors control and radioactive waste handling,
- Embedded control systems design for complex production processes in particular pipeline valves control systems and their diagnostics,
- Control biology,
- Creation of models for prediction of earthquakes.

Submission

Submitted papers (6 pages in IFAC double column format) will be reviewed by at least two referees, see submission site <http://ifac.papercept.net/>. Both academic and industrial oriented communications will be considered, Accepted contributions will be published in INCOM Proceedings by Elsevier. Further submission instructions are available on the IFAC website <http://www.ifac-control.org>. Several international journals are associated with the symposium for publication of special issues.

Important dates

November 15, 2008: deadline for paper submission
January 6, 2009: notification of acceptance/rejection
March 15, 2009: deadline for final paper