Symposium on

Nonlinear Dynamics of Systems with Infinite Dimension

To be held 4th IEEE International Conference
on Nonlinear Science and Complexity

August 6-11, 2012   •   Budapest, Hungary

The symposium is to cover a broad scope of nonlinear dynamics of systems with infinite dimension. The fundamental theory and application in mechanics and physics are welcome. Manuscripts are solicited in the following topics but not restricted to:

- **Model Reduction for Nonlinear Dynamic Systems with Infinite Dimension**
- **Singularities (shock wave, instability, flow separation, vortex, flow pattern, cavitation, bubble, critical phenomena, soliton, turbulence etc.) in Fluid Dynamics**
- **Nonlinear Dynamics in Plasma, Aero-heating**
- **Nonlinear Dynamics in Thin-walled Structures**
- **Nonlinear Dynamics in Aeroelasticity and Fluid-structure Interaction**
- **Numerical Computational Methods in Nonlinear Dynamic Systems with Infinite Dimension (studying fluid dynamics on manifolds, Lagrangian coherent structure in the fluid flow etc.)**

The Conference website is http://conf.uni-obuda.hu/nsc2012/: For your convenience, we are attaching the first Call for Papers. The authors are encouraged to present a paper for publication in the edited books or conference Proceedings. The high quality papers will be selected for publication in *Journal of Applied Nonlinear Dynamics*. We look forward to hearing from you as soon as possible.

Paper Planning Schedule

Full paper submission:	**May 1, 2012**
Notification deadline:	**June 1, 2012**
Final paper submission:	**July 1, 2012**

Email submission as a pdf file attachment is acceptable. Please transmit papers to the following organizers or submit it through the conference website: http://conf.uni-obuda.hu/nsc2012/paper.htm

Symposium Organizers:

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