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Fourth Serbian Congress of Theoretical and Applied Mechanics

(<http://www.ssm.org.rs/Congress2013/authors.html>)

Mini Symposium **Nonlinear Dynamics – Milutin Milankovic**

Interdisciplinary and multidisciplinary sciences

4th -7th of June 2013, Hotel BREZA- Vrnjačka Banja, Serbia

Organizer: Katica R. (Stevanovic) Hedrih

SCOPE OF THE SYMPOSIUM

The objective of the MINI-SYMPOSIUM is to bring together scientists and engineers working in different areas of science to present and discuss recent developments on different problems of nonlinear dynamics with multi and interdisciplinary applications.

MAIN TOPICS OF THE SYMPOSIUM

A* Models and methods (analytical, numerical, geometrical, experimental) in nonlinear dynamics.

Qualitative and quantitative analysis of nonlinear dynamic systems.

B* Nonlinear dynamics of continuous, discontinuous and hybrid systems.

C* Bifurcations and chaos.

D* Nonlinear stochastic systems.

E* Nonlinear dynamic phenomena.

F* Control of oscillations and chaos.

G* Applications in mechanics at different scales, and real problems from any branch of engineering science including mechanical, civil, electronic, electrical, communication, medical, materials.

H* Cross-disciplinary topics from applied mathematics, physics, biophysics, genetics, nanotechnology, finance, medicine and earth sciences.