ORGANIZING COMMITTEE

Chairs

- Dr Ivana Atanasovska, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)
- Dr Andjelka Hedrih, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)

Local Members

- Dr Milan Cajic, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)
- Dr Dejan Momcilovic, Institute IMS, Belgrade (Serbia)
- Dr Ljubinko Kevac, Belgrade (Serbia)
- Msc Stepa Paunovic, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)

This year (2019) it will be the jubilary-75th birthday of *Prof. Dr Katica (Stevanovic) Hedrih*. Respecting her scientific work and her contribution in the area of theoretical and applied mechanics, nonlinear dynamics and history of mechanics, researchers from her team bring the initiative to organize a *symposium titled "Nonlinear Dynamics - Scientific work of Prof. Dr. Katica (Stevanovic) Hedrih"*. Symposium will be held on September 04th-06th 2019 in Belgrade, Serbia. The main organizer is the Mathematical Institute of the Serbian Academy of Sciences and Arts where Prof. Dr Katica (Stevanovic) Hedrih worked (and is still working) for 22 years as a leader of many scientific projects in Mechanics. Serbian co-organizers of Symposium are Institute "Mihajlo Pupin", Belgrade and Institute for testing of materials (IMS Institute), Belgrade.

A two-page abstract for proposed presentation should be submitted before **June 10th 2019** to the Symposium e-mail address: nd2019@mi.sanu.ac.rs.

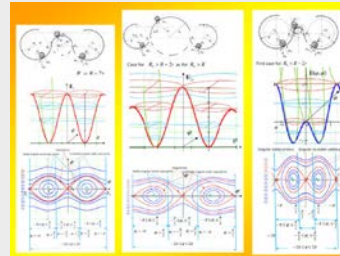**Participation in this event is free of Registration Fee. There are no participation fees.**

The Symposium Proceedings will consist of hard-printed and electronic version of Booklet of abstracts.

Mathematical Institute
of the Serbian Academy of Sciences and Arts

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Prof. Dr Katica (Stevanovic) Hedrih
75 birthday, 52 years of scientific work and 22 years of leading scientific projects coordinated by the Mathematical Institute of SASA

Mathematical Institute SANU

Belgrade, 04.-06. September, 2019. Symposium

Nonlinear Dynamics

Scientific work of Prof. Dr Katica (Stevanovic) Hedrih

First announcement and Call for participation

Co-organizers:

institute **MIHAILO PUPIN**

ИНСТИТУТ ИМС IMS INSTITUTE

Symposium Topics:

- Nonlinear phenomenon in mechanical systems
- Nonlinear dynamics in engineering systems
- Nonlinear dynamics in biological systems
- Synchronization in nonlinear systems
- Control and stability of nonlinear systems
- Nonlinear vibrations and acoustics of structural and machine elements
- Nonlinear wave propagation in mechanical systems
- Micro/nano-electro-mechanical nonlinear systems
- Slow-fast nonlinear systems and phenomena
- Systems with structural nonlinearity
- Energy harvesting using nonlinearity
- Fluid mechanics
- Nonlinear modeling of friction and damping
- Vibro-impact processes and analysis
- Experimental methods in nonlinear dynamics
- Systems with time delay.

INTERNATIONAL SCIENTIFIC COMMITTEE

- Academician Prof. Gradimir Milovanovic, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)
- Academician Prof. Chernousko Feliks Leonidovich, Ishlinsky Institute for Problems in Mechanics RAS; Member of Russian Academy of Sciences (Russia) Member of Serbian Academy of Sciences and Arts (Serbia)
- Prof. Giuseppe Rega, Universita' di Roma La Sapienza, Roma (Italy)
- Academician Prof. Milos Kojic, Serbian Academy of Sciences and Arts, Belgrade (Serbia), Harvard School of public Health, Boston (USA)

- Prof. Zoran Ognjanovic, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)
- Prof. Jan Awrejcewicz, Corresponding Member of the Polish Academy of Sciences,Technical University of Łódź, Łódź (Poland)
- Prof. Livija Cveticanin, Faculty of Technical Sciences, University of Novi Sad (Serbia)
- Prof. Uday Chand De, Calcutta University, Calcutta, (India)
- Prof. Mihailo Lazarevic, Faculty of Mechanical Engineering, University of Belgrade (Serbia)
- Prof. Marina Shitikova, University of Voronezh (Russia)
- Prof. Zarko Mijajlovic, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)
- Prof. Lidiya Kurpa, Department of Applied Mathematics, National Technical University "Kharkiv Polytechnic Institute", Kharkov, (Ukraine)
- Prof. Stefano Lenci, Department of Civil and Building Engineering and Architecture (DICEA), Polytechnic university of Marche, Ancona (Italy)
- Prof. Yuri V. Mikhlin, National Technical University "Kharkov Polytechnical Institute", Kharkov (Ukraine)
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- Prof. Tamara Nestorović, Institut Computational Engineering, Ruhr-Universität Bochum (Germany)
- Prof. Zeljko Cupic, Institute of Chemistry, Technology and Metallurgy, University of Belgrade (Serbia)
- Dr Julijana Simonovic, Faculty of Mechanical Engineering, University of Nis (Serbia); School of Engineering, Cardiff University (UK)
- Dr Mirjana Filipovic, Institute Mihajlo Pupin, University of Belgrade (Serbia)
- Prof. Dragan Milosavljevic, Faculty of Engineering University of Kragujevac (Serbia)
- Prof. John T. Katsikadelis, Institute of Structural Analysis and Seismic Research, School of Civil Engineering, Technical University of Athens, Athens (Greece)
- Dr Fotios Georgiadis, School of Engineering, University of Lincoln (UK)
- Prof. Sarbari Ray Guha, Department of Physics, St. Xavier's College, Kolkata (India)
- Dr Ivana Atanasovska, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)
- Dr Andjelka Hedrih, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)

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Nonlinear Dynamics

Scientific work of Katica R. (Stevanović) Hedrih
75th birthday, 52 years of scientific work and
22 years as Leader in Mechanics of Projects in MI SASA

Belgrade, September 4-6, 2019

The Founders of the Institute

Dr. Bilimović Anton · Dr. Kašanin Radivoj · Dr. Gavrilović Bogdan · Dr. Milanković Milutin
Dr. Mišković Vojislav · Dr. Saltikov Nikola · Dr. Karamata Jovan

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