

KATICA R. (Stevanović) HEDRIH

Full Professor-Scientific Research Full Professor – Project Leader (from 1995-) and Head of Department of Mechaics (from 2010-) in Mathematical Institute SANU Belgrade.

Full professor and the Head of the Chair for Mechanics (1977-1979, 1981-1983, 1986-2004)

*Head of Centre of Nonlinear Dynamics and Active Structure (2005-2009)
at the Mechanical Engineering Faculty of the University of Niš (1987-2009)*

Academician of Ukrainian Higher Education Academy of Sciences (from 1996-)

Member of Serbian Scientifica Society

Academician of the Academy of Nonlinear Sciences (1997-)

Scientific Secretary of the Yugoslav Section of Academy of Nonlinear Sciences (1997-2010)

Member of American Academy of Mechanics



Katica (Stevanović) HEDRIH, Doctor of Technical Sciences, *Scientific Research Full Professor in Mathematical Institute SANU-Belgrade*, University Professor, Bachelor (Master) Mechanical Engineer, Full Professor and the Head of the Chair for Mechanics at the Mechanical Engineering Faculty of the University of Niš 1977-1979, 1981-1983, 1986-2004) and a Full Professor of the Mechanical Engineering Faculty, University of Priština, Project Leader of a republic's scientific projects: Subproject – Current problems of mechanics with applications (1995-2000), Project 1616 - Real Problems on Mechanics (2001-2004) at the Mathematical Institute of SASA in Belgrade, Project 1828 –Dynamics and Control of Active Structure (2001-2004) at Faculty of Mechanical Engineering Niš, Project ON144002 Theoretical and Applied Mechanics of the Rigid and Solid Bodies. Mechanics of Materials (2006-2010) and current Project ON174001 Dynamics of hybrid system with complex structures (2011-2014) an academician of the *Higher Education Academy of Sciences of Ukraine* (since 1996), a *member of Serbian Scientifica Society* (starting from 2008) and an academician of the *International Academy of Nonlinear Sciences ANS. – Moscow* (since 1997), Editor-in-chief of the University of Niš scientific journal “**FACTA UNIVERSITATIS**” (since 1989-2004) and Editor-in-Chief of the Series Mechanics, Automatic Control and Robotics (1990-2011), member

of Editorial Board of *Int. Journal Nonlinear Sciences and Numerical Simulations, Freund Publishing House LTD* (1999-2010), and *J. Mathematical Problems in Engineering*, Hindawi Publishing Corp. <http://www.hindawi.com/> (2004-), a member of GAMM and Tensor Society, member of International ASME, American Academy of Mechanics and a European Society for Mechanics Member. She is also reviewer and referee of the numerous university scientific publications and papers published by Elsevier, Springer, Hindawi Press, Freund Publishing House and other. Referee of *Zentralblatt* (with more than 100 reviews). She is the author of the monographies: *Vectors of the Mass Moments* (1998), *Analytical Dynamics of Discrete Hereditary Systems (co-author O.A. Goroshko, 2001)*. and *The Vector Method of the Heavy Rotor Kinetic Parameters Analysis and Nonlinear Dynamics* (2001). She was the chief and project-leader of a number of scientific projects in areas of mechanics and mechanical engineering. She is one of co-authors of the research project and a SASA edition-publication - The Life and Work of Serbian Scientists with four published biobibliographies. She is the author of a number scientific papers, and of university study books and textbooks in the area of Oscillations Theory, Theory of Elasticity, Strength of Materials, Mechanics, Mathematical Physics, Philosophy of Natural Sciences, History of Mechanics. She was a supervisor of a number of magisterium of sciences (10) and doctoral dissertations (8) in the area of technical sciences – nonlinear and deformable body mechanics and member of numerous commission for evaluation of the dissertations. Her papers and books were cited many times by WEB of Science and Serbian index Citation, and two papers was cited in *Monograph: by Yu.A.Mitropolskiy and four in important ASME AMR fo 2010*. Her first docorantes are now university professors and Project leader and supervisor of new generation of the Ph. D. students.

She was the organizer of two Yugoslav congresses on Theoretical and Applied Mechanics, as well as of a number of minisymposia of international rank (IFNA WCNA, Orlando, 2004; EU FC16-Greece 2006 and APM Saint Petersburg 2007; ESMC Lisbon 2009 and ICDVC Hangzhou 2010m and other.). She attended, with invited lectures or as invited participant, numerous University Mechanics Seminars or Scientific Meetings in the area of nonlinear mechanics in numerous countries in World (listed in attach)

Best graduate student of 1966/67 at University of Niš and Best Thesis of Bachelor's (Master) degree at Yugoslav Faculties of Engineering, 1967.

Plaket (Medaillon) “*Archimed*” 2007 of Scientifica-Technical Institute of Serbian Army for scientific work and in 2008 Plaket (Medaillon) of *Cankaya University*, Ankara, Turkey for Scientific advances in IFAC FDA Workshop.

Prize *Saint Volodimir (Nagrada Svatoga Volodimira)* for 2010 of Ukrainian Higher Education Academy of Sciences

<http://www.masfak.ni.ac.rs/sitegenius/topic.php?id=409>

<http://www.mi.sanu.ac.rs/colloquiiums/mechcoll.htm>