## "一带一路"沿线国家专家系列学术报告

Speakers	Titles	Location	Time	Hosts
S. Stoykov	TOBECS: TOol for BEam Cross Sectional analysis	Room 306, Zhiyong Building	8:00-9:00, 11 May	Mao sen Cao et al.
E. Manoach	Mechanics research in Bulgarian Academy of Sciences	Room 306, Zhiyong Building	9:00-9:30, 11 May	
E. Manoach	Vibration based methods for structural damage detection	Room 102, Lixue Building	14:00-15:00, 11 May	
S. Stoykov	Nonlinear dynamics of rotating beams	Room 102, Lixue Building	15:10-16:00, 11 May	
E. Manoach	Dynamics of beams with delamination	Room 1106, Lexue Building	14:00-15:30, 12 May	

A Series of Lectures on Structural Dynamics and Vibration

## 南京市江宁区佛城西路8号河海大学江宁校区 欢迎广大师生积极参加!

**Emil Manoach** is the Scientific Secretary at Bulgarian Academy of Sciences and a professor at Institute of Mechanics at Bulgarian Academy of Sciences (IMech-BAS). He obtained his master degree in Mechanics of solids in Faculty of Mathematics and Mechanics of University of Sofia, Bulgaria and defended his PhD thesis on structural dynamics at the same university in 1996.

Prof. Manoach is a head of department "Mechanics of Solids" at IMech-BAS. This year he was elected for a Scientific Secretary of Bulgarian Academy of Sciences, responsible for the scientific division "Information and Communication Sciences and Technologies". He has published 100 more international journal papers, and managed several projects financed by 4-7 Framework Programs of EU, the Royal Society of Great Britain, the Royal Society of Edinburgh, and the National Science Foundation of the United States, and 3 projects financed by Bulgarian National Research Fund and one supported by NATO. He was a visiting professor in Lublin University of Technology and Saint Louis University. Prof. Manoach has internationally recognized results in the fields of dynamics of structures exposed to conjugate fields, structural health monitoring and damage detection, as well as biomechanics. He has the memberships of Bulgarian Union of Scientists, Bulgarian Union of Mathematicians, National Scientific Council of Mechanics, General Assembly of the Bulgarian Academy of Sciences, National Scientific Council of Mechanics of Structures, and National Scientific Council of Mechanics.

**Stanislav Stoykov** is Associate Professor at Institute of Information and Communication Technologies at the Bulgarian Academy of Sciences (IICT-BAS). He obtained his PhD in 2012 at the University of Porto, Portugal in the field of applied mechanics and nonlinear dynamics. During the same year he continued his scientific career at IICT-BAS in the department of Scientific Computations. His scientific research includes topics in mathematical modelling of physical processes, computational nonlinear dynamics, theory of bifurcations, finite element method. Major part of his scientific work is devoted to realization and implementation of efficient parallel algorithms for high-performance computer architectures for solving large-scale nonlinear dynamical problems. The developed numerical methods and algorithms have been applied in the design of new structures, their maintenance and structural health monitoring. He has published 30 papers in international journals. He was granted the Best Young Scientists in Mechanical Engineering for 2014, a prestigious award from Bulgarian National Committee of Theoretical and Applied Mechanics.

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