IABEM2014 Short Course

Advances in Green's Functions and BEMs

Tuesday August 12, 2014
Conference Room, The Forth Lecture Hall on the first floor of
Administrative Building, Zhengzhou University

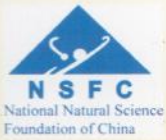|			
08:00-08:10	**Opening** Prof. MingHao Zhao (Zhengzhou University, China) Prof. Ernian Pan (University of Akron, USA)		
08:10-09:00	Early history of boundary methods	Prof. Alex Cheng (Mississippi, USA)	
09:05-09:35	Brief overview of the BEM in naval architecture & ocean engineering	Prof. Francis Noblesse (Shanghai Jiaotong University, China)	
09:40-10:20	Green functions of water waves and boundary element methods	Prof. Xiaobo Chen (Bureau Veritas of Singapore, Singapore)	
10:25-11:15	BEM for wave and dynamic problems	Prof. Chuanzeng Zhang (University of Siegen, Germany)	
11:20-12:10	Mathematics of various BEM formulations	Prof. Jeng-Tzong Chen (National Taiwan Ocean University, Taiwan)	
12:30-13:30	**Lunch in Zhengzhou University (Buffet)**		

14:00-14:50	Green's function method for multiscale modeling in space and time	Prof. Vinod Tewary (National Institute of Standard and Technology, USA)	
15:00-15:50	Meshless related method and applications	Prof. Jan Sladek (Slovak Academy of Sciences, Slovak)	
16:00-16:50	On fast multipole and other fast BEMs with particular attention to periodic problems	Prof. Naoshi Nishimura (Kyoto University, Japan)	
17:00-17:50	On personal experience on BEM research and education	Prof. Zhenhan Yao (Tsinghua University, China)	
17:00-17:50	Open discussion		
19:30-20:30	**Dinner in Zhengzhou University (Buffet)**		

Zhengzhou University
  School of Mechanical Engineering
  School of Water Conservancy and Environmental Engineering

Northwestern Polytechnical University
  Institute for Computational Mechanics and Its Applications

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