



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU



Symposium on the Development of Computational Mechanics and Computational Methods in Engineering and Science

In celebrating the 25th Anniversary of EPMESC Conferences
and
the 30th Anniversary of University of Macau

4th April, 2011

Adelson Advanced Education Centre of University of Macau
The Venetian-Macao-Hotel-Resort

09:30-09:45	Opening Remarks Professor Wei ZHAO, Rector of University of Macau Professor Professor Eduardo Romano de ARANTES e OLIVEIRA, Honorary Chairman of EPMESC Board Professor Vai Pan IU, Chairman of EPMESC Board Group Photo Taking
09:45-10:15	“The Historical Role of Mechanics in the East-West Dialogue via Macau and Lisbon” Professor Eduardo Romano de ARANTES e OLIVEIRA President of Portuguese Academy of Sciences, Portugal
10:15-10:45	“Uses (and/or abuses) of Computational Mechanics Based Numerical Methods” Emeritus Professor Somasundaram VALLIAPPAN School of Civil & Environmental Engineering University of New South Wales, Australia
Tea Break	
11:00-11:30	“Advances in Quality Improvement and Deformation for Unstructured Mesh” Professor Mingwu YUAN Peking University, China
11:30-12:00	“Bridging of the Scales, Multiscale Modeling & Simulation of Uncertain Archetype Motion” Professor Wing Kam LIU Walter P. Murphy Professor, Department of Mechanical Engineering Northwestern University, USA



12:00-12:30	<p>“2.5D Finite/Infinite Element Approach for Treating Train-induced Wave Propagation Problems in Half Space”</p> <p>Professor Yeong Bin YANG</p> <p>President, National Yunlin University of Science and Technology</p>
Lunch at Lung Chinese Fusion Restaurant	
14:00-14:30	<p>The Role of Symplectic Mathematics in Applied Mechanics and FEM”</p> <p>Professor Wanxie ZHONG</p> <p>Dalian University of Technology, China</p>
14:30-15:00	<p>“A Mixed Natural Neighbours Method in Elasticity and Elastoplasticity”</p> <p>Professor Serge CESCOTTO</p> <p>MS²F, Department of ArGEnCo,</p> <p>University of Liège, Belgium</p>
15:00-15:30	<p>“Total harmonic balance in bifurcation analysis”</p> <p>Professor Andrew LEUNG</p> <p>Chair Professor of Building and Construction</p> <p>City University of Hong Kong, Hong Kong</p>
15:30-16:00	<p>“Bayesian System Identification for Structural Dynamics”</p> <p>Professor Ka Veng YUEN</p> <p>Department of Civil and Environmental Engineering</p> <p>University of Macau</p>
Tea Break	
16:15-16:45	<p>“Some Knowledge gained from my 30 years investigation on conventional and fast BEM”</p> <p>Professor Zhenghan YAO</p> <p>Department of Engineering Mechanics</p> <p>Tsinghua University, China</p>
16:45-17:15	<p>“Numerical Analysis of Interface Cracks in Layered Piezoelectric Materials ”</p> <p>Professor Chuanzeng ZHANG</p> <p>Chair of Structural Mechanics , Department of Civil Engineering</p> <p>University of Siegen, Germany</p>
17:15-17:45	<p>“Advances in Analyzing Nonlinear Stochastic Dynamic Systems”</p> <p>Professor Guokang ER</p> <p>Department of Civil and Environmental Engineering</p> <p>University of Macau</p>



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