

Workshop on Recent Advances in some Civil and Environmental Engineering Problems

September 5th and 8th, 2011
University of Macau

Venue: RLG116, Hydraulics Laboratory, Research and Development Building, University of Macau (September 5th, 2011)

L105, Luso-Chinese Building, University of Macau (September 8th, 2011)

About the Workshop

This workshop is aimed to bring together research students and faculty members of the Civil and Environmental Engineering research groups with visiting scholar Professor Harry Yeh to discuss recent advances of their researches. The scope of this workshop is broad and ranges from the Air Quality Monitoring and Prediction, Algae Bloom, Bayesian Statistics, Finite Element Model Updating, Open Channel Hydraulics, Structural Health Monitoring, and Water Wave Hydrodynamics. Besides the sharing of experience and information, suggestions and ideas are invited to stimulate further collaboration among interested parties. Detailed workshop programme can be found below:

September 5, 2011 (Monday)

RLG116, Hydraulics Laboratory, Research and Development Building, University of Macau

Time	Workshop Program
10:00	Opening Address MOK Kai Meng, Dean of Honours College, University of Macau
10:10	Updating Large Finite Element Models By A Highly Efficient Algorithm YUEN Ka Veng, Associate Dean of Faculty of Science and Technology, University of Macau
10:45	Using Molecular (Micro-) and Modeling (Macro-) Approaches for Studying Algal bloom in Macau Reservoir LOU In Chio, Assistant Professor of Department of Civil and Environmental Engineering, University of Macau
11:20	Quantification of Ambient Interferences in Structural Health Monitoring KUOK Sin Chi, Ph.D. Candidate of Department of Civil and Environmental Engineering, University of Macau
11:55	Outlier Identification MU Heqing, Ph.D. Candidate of Department of Civil and Environmental Engineering, University of Macau
12:30	Break

September 5, 2011 (Monday)

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Time	Workshop Program
15:30	Free Surface Fluctuation Downstream of the Oscillating Hydraulic Jumps HOI Ka In, Lab. Technician of Department of Civil and Environmental Engineering, University of Macau
16:05	Modelling a Dynamic Air Quality System With Kalman filter CHAO Ka Man, M.Sc. Student of Department of Civil and Environmental Engineering, University of Macau
16:40	Assessment of Fine Particulate Pollution in Macau Using a Mobile Monitoring Platform HOI Ka In, Lab. Technician of Department of Civil and Environmental Engineering, University of Macau
17:00	Roundtable Discussion Harry YEH, The Miles Lowell and Margaret Watt Edwards Distinguished Chair in Engineering, Oregon State University
17:30	End of Day 1

September 8, 2011 (Thursday)

L105, Luso-Chinese Building, University of Macau

Time	Workshop Program
14:30	Obliquely Incident Solitary Wave along a Vertical Wall Harry YEH, The Miles Lowell and Margaret Watt Edwards Distinguished Chair in Engineering, Oregon State University
16:30	End of Day 2

Workshop Chairpersons

MOK Kai Meng, University of Macau
Harry YEH, Oregon State University

Organizing Committee

YUEN Ka Veng, University of Macau
LOU In Chio, University of Macau
HOI Ka In, University of Macau

The workshop is open, without registration fee, to all. Those who are interested in participating, please contact Dr. HOI Ka In at the University of Macau. Email: kihoi@umac.mo