

# FLUCOME 2011

## 11th International Conference on Fluid Control, Measurements, and Visualization

KEELUNG • TAIWAN December 5-9, 2011

<http://flucome2011.ntou.edu.tw/>

### *Second Announcement and Call for Papers*

The Eleventh International Conference on Fluid Control, Measurements, and Visualization (FLUCOME 2011) to be held at Keelung, Taiwan, in 2011 will provide an opportunity for researchers, engineers, and practitioners to share the latest development and applications of flow control, measurements, and visualization in various fields from large to nano scales for better understanding of sciences and technologies in fluids. Since the first FLUCOME conference held in Japan in 1985, the subsequent events have successfully taken places in Europe, North America, and Asia. The conference will provide a unique environment to facilitate synergy among colleagues from around the world and bring together professionals from a broad range of disciplines to enhance interdisciplinary understanding and collaboration.

### Technical Program and Tour

The technical program will consist of keynote lectures, invited lectures, and technical sessions. Proceedings will be provided to all participants as part of the registration package. As part of the program, a technical tour by high-speed train will be arranged to visit a world famous yacht company and CSBC Corporation, Taiwan, which is famous for energy-saving container shipbuilding technology.

### Post Conference Tour

A free guided post-conference tour to Kenting National Park, the first national park of Taiwan, will be arranged. All participants are welcome to take advantage of the tour to admire the natural diversity of beautiful Taiwan which was once called *Formosa* by Spanish sailors.

### Venue

#### **National Taiwan Ocean University, Keelung (December 5-7)**

Boasting its freshest seafood in Taiwan, Keelung is a mid-size harbor city full of ocean flavor. Just 20 minutes away, the National Northeast Scenic Coast invites you into a world of breath-taking emerald seas and mountains, a winding coastline of capes and bays, and fine sandy beaches. Keelung is also a place with rich local ocean culture. You may spend a day visiting the National Palace Museum and linger for another day along old streets and Gold Ecological Park of Jioufeng, a small mountain village and Taiwan's gold mining center in the past, for a deep traditional touch of Taiwan.

#### **Kenting Youth Activity Center, Kenting (December 8-9)**

Facing the Bashi Strait, Kenting Youth Activity Center—a traditional Fujen (a province in southern China, also called Min) style building with red gate, white wall and red tile roof—is often reputed as the Museum of Southern Min Style Architecture. The Center is located in the Kenting National Park which is renowned for its dazzling bright sunshine, azure blue seawater, shining sand beach, rich landscape of hills and water, abundant wild life, and natural resources.



### Primary Topic Areas

#### Theme A: Fluid Control

- A01 Aerodynamics
- A02 Jet flows
- A03 MEMS control
- A04 Flow in micro devices
- A05 Hydraulics and pneumatics
- A06 Coastal and offshore structures
- A07 Optimization in flow control
- A08 Environmental pollution control
- A09 Wind engineering
- A10 Combustion

#### Theme B: Fluid Measurement

- B01 Multiphase flows
- B02 PIV and imaging
- B03 Turbulent flows
- B04 Environmental flows
- B05 Heat and mass transfer
- B06 Compressible flows
- B07 Remote sensing
- B08 Acoustic and electromagnetic flows
- B09 Renewable energy and testing

#### Theme C: Visualization and CFD

- C01 Two phase flows
- C02 Wave and storm surges
- C03 Environmental fluid flows
- C04 Biological flows
- C05 Combustion
- C06 Flow characterizations
- C07 Geophysical flows
- C08 Meteorological flows
- C09 Estuarine and coastal waters
- C10 Visualization of scientific arts
- C11 Fluid/structure interactions
- C12 Granular flows



## Abstract/Full Paper Submission

Authors are invited to submit abstracts and papers online. Additional detailed instructions and templates are available at the conference website <http://flucome2011.ntou.edu.tw>.

## Important Dates

- \* April 1, 2011 – Submission of abstracts
- \* May 15, 2011 – Notification of abstract acceptance
- \* July 1, 2011 – Submission of full paper
- \* August 1, 2011 – Notification of full paper acceptance
- \* September 1, 2011 – Early registration
- \* December 5, 2011 – Conference

## Registration

Detailed information is available at the conference website <http://flucome2011.ntou.edu.tw>.

## International Honorary Committee

Nakayama, Y. (Japan)	Hebrard, P. (France)	Carlomagno, G.M. (Italy)	Boucher, R.F. (UK)
Tsuchiya, K. (Japan)	Wei, Q.D. (China)	Woods, R.L. (USA)	Laneville, A. (Canada)
Chen, C.J. (USA)	Leonov, S. (Russia)		

## International Steering Committee

Aoki, K. (Japan)	Balu, G. (India)	Belforte, G. (Italy)	Blaisot, J.-B. (France)
Carlomagno, G.M. (Italy)	Chen, C.J. (USA)	Chen, H.C. (USA)	Chiatti, G. (Italy)
Delgado, A. (Germany)	Doh, D.-H. (Korea)	Elangovan, S. (India)	Fujisawa, N. (Japan)
Ginting, M. (Indonesia)	Honda, S. (Japan)	Hsu, C. T. (Hong Kong)	Huang, W.R. (USA)
Jaw, S.-Y. (Taiwan)	Kagawa, T. (Japan)	Kahler, C. J. (Germany)	Kawahashi, M. (Japan)
Yokota, S. (Japan)	Kobayashi, T. (Japan)	Kompenhans, J. (Germany)	Laneville, A. (Canada)
Lee, S.-J. (Korea)	Lemay, J. (Canada)	Leonov, S. (Russia)	Lingson, L.Q. (Philippines)
Nakayama, Y. (Japan)	Oyama, O. (Japan)	Ohshima, M. (Japan)	Ohta, Y. (Japan)
Pimeau, G. (France)	Priestman, G. (UK)	Rathakrishnan, E. (India)	Romano, G.P. (Italy)
Sawada, T. (Japan)	Soenarko, B. (Indonesia)	Soria, J. (Australia)	Soviero, P.O.J. (Brazil)
Stasiek, J. (Poland)	Stern, F. (USA)	Strzelecki, A. (France)	Sung, H.J. (Korea)
Suwantragul, B. (Thailand)	Tesar, V. (Czech Republic)	Takei, M. (Japan)	Tsai, W.-F. (Taiwan)
Uemura, T. (Japan)	Wang, J.-J. (China)	Wang, K.-H. (USA)	Wang, X.-L. (China)
Watton, J. (UK)	Wei, Q.-D. (China)	Winoto, S.H. (Singapore)	Zhou, Y. (Hong Kong)

## Local Organizing Committee

Chen, J.-H. (Chair, National Taiwan Ocean U.)	Cheng, W.-L. (CSBC Corporation, Taiwan)
Chiu, F.-C. (National Taiwan U.)	Chow, Y.-C. (Technical Chair, National Taiwan Ocean U.)
Chu, C.-C. (National Taiwan U.)	Huang, C.-H. (National Cheng Kung U.)
Hwang, J.-L. (USDCC)	Hwung, H.-H. (National Cheng Kung U.)
Jaw, S.-Y. (Program Chair, National Taiwan Ocean U.)	Kao, C.-C. (Taiwan Ocean Research Institute)
Liou, T.-M. (National Tsing Hua U.)	Miao, J.-J. (National Cheng Kung U.)
Wu, C.-C. (National Taiwan U.)	Yeh, K.-C. (National Chiao Tung U.)

## Organizers

- \* National Taiwan Ocean University
- \* National Science Council

## Co-organizers

- \* Taiwan Society of Naval Architects and Marine Engineers
- \* **United Ship Design and Development Center**
- \* **CSBC Corporation, Taiwan**



For all inquiries, please e-mail: [flucome2011@gmail.com](mailto:flucome2011@gmail.com).

