

# 2<sup>nd</sup> International Workshops on Advances in Computational Mechanics

First Announcement

(<http://www.jsces.org/IWACOM/>)

Co-organized by:

The Japan Society of Computational Engineering and Science (JSCES)  
The Computational Mechanics Division of the Japan Society of Mechanical Engineers (JSME)  
Yokohama National University (YNU)

## Motivation and Objective

After the success of the first International Workshops on Advances in Computational Mechanics (IWACOM 2004) held at Hosei University (Tama Campus), Tokyo, JAPAN, in 2004 (<http://www.jsces.org/IWACOM/1st/>), we are pleased to announce that 2nd IWACOM will be held at Pacifico Yokohama (Conference Center) at Yokohama City during March 30-31, 2010.

The purpose of this meeting of workshops is to provide an international forum for recent developments in selected fields of research in computational mechanics by bringing together Asian, European and American researchers. All the workshops are intended to provide chances for intensive discussions about their own selected topics and identify future directions for the development of related modeling strategies and computational techniques. Innovative presentations pertaining to each workshop are all invited, but participants for auditing only are also welcomed.

## Summary of meeting

- Date: March 29-31, 2010
- Location: Conference Center at PACIFICO Yokohama, Japan - Pacific Convention Plaza Yokohama -  
<http://www.pacifico.co.jp/english/>
- Coordination: Steering committee:  
Prof. Norio Takeuchi (Hosei University), Prof. Shigeru Obayashi (Tohoku University)  
and Prof. Kazuo Kashiya (Chuo University)
- Organizing committee:  
Prof. Kenjiro Terada (Chair, Tohoku University), Prof. Takahiro Yamada (Chair,  
Yokohama National University), Prof. Gakuji Nagai (Gifu University), Prof. Hiroshi  
Okuda (University of Tokyo), Prof. Katsuyuki Suzuki (University of Tokyo), Prof.  
Naoki Takano (Keio University), Prof. Daigoro Isobe (University of Tsukuba), Prof.  
Toshio Nagashima (Sophia University), Prof. Akiyuki Takahashi (Tokyo University of  
Science), Prof. Seiichi Koshizuka (University of Tokyo), Prof. Hiroshi Okada  
(Kagoshima University), Prof. Takayuki Aoki (Tokyo Institute of Technology), Prof.  
Kengo Nakajima (University of Tokyo), Prof. Marie Oshima (University of Tokyo),  
Prof. Makoto Yamamoto (Tokyo University of Science), Prof. Minoru Shirazaki  
(Yokohama National University) and Prof. Kazumi Matsui (Secretary of general,  
Yokohama National University)
- Important dates:
- |                   |                                  |
|-------------------|----------------------------------|
| December 1, 2009: | Registration Open                |
| February 1, 2010  | Deadline for Abstract submission |
| February 15, 2010 | Early Registration               |
| March 1, 2010     | Deadline for Hotel Accommodation |

## ● Organized workshops *\* Corresponding organizer*

- Innovative algorithms for multicore and hierarchical computational environments  
Organizers: Prof. H. Okuda\* (The University of Tokyo, Japan, okuda@race.u-tokyo.ac.jp), Prof. K. Nakajima (The University of Tokyo, Japan) and Prof. T. Aoki (Tokyo Institute of Technology, Japan)
- Advances in optimization  
Organizers: Prof. K. Suzuki\* (The University of Tokyo, Japan, katsu@k.u-tokyo.ac.jp), Prof. S. Obayashi (Tohoku University, Japan), Prof. S. Nishiwaki (Kyoto University, Japan)
- Advances in computational methods for free and moving boundary problems  
Organizers: Prof. K. Kashiyama \* (Chuo University, Japan, kaz@civil.chuo-u.ac.jp), Prof. T. Nomura (Nihon University, Japan), Prof. J. Westerink (University of Norte Dame, USA) and Prof. M. Behr (RWTH Aachen University, Germany)
- Advanced turbulent flow simulation  
Organizers: Prof. M. Yamamoto\* (Tokyo University of Science, Japan, yamamoto@rs.kagu.tus.ac.jp) and Prof. S. Obi (Keio University, Japan)
- Computational biomechanics  
Organizers: Prof. S. Koshizuka\* (The University of Tokyo, Japan, koshizuka@sys.t.u-tokyo.ac.jp), Prof. M. Oshima (The University of Tokyo, Japan) and Prof. R. Torii (Imperial College London, UK)
- Multiphysics for micromachines and micromaterials  
Organizers: Prof. G. Nagai (Gifu University, Japan), Prof. D. Ishihara (Kyushu Institute of Technology, Japan), Prof. T. Toriyama (Ritsumeikan University, Japan), Prof. N. Miki (Keio University, Japan) and Prof. N. Takano\* (Keio University, Japan, naoki@mech.keio.ac.jp)
- Multiscale simulation and modeling of material behavior  
Organizers: Prof. K. Terada (Tohoku University, Japan) and Prof. A. Takahashi\* (Tokyo University of Science, Japan, takahash@rs.noda.tus.ac.jp)
- Advances in structural collapse / structural impact analyses  
Organizers: Prof. D. Isobe\* (University of Tsukuba, Japan, isobe@kz.tsukuba.ac.jp), Prof. K. Uenishi (Kobe University, Japan) and Prof. M. Beppu (National Defense Academy of Japan, Japan)
- Computational fracture mechanics for crack and crack propagation analyses  
Organizers: Prof. H. Okada (Tokyo University of Science, Japan) and Prof. T. Nagashima\* (Sophia University, Japan, nagashim@me.sophia.ac.jp)

## ● Time and Venue

Monday, March.29:	Reception
Tuesday, March.30:	Opening ceremony, Plenary lectures, Technical programs and Banquet
Wednesday, March.31:	Technical programs

## ● Plenary lectures

1. Professor Charbel Farhat (Stanford University)
2. Professor Ryutaro Himeno (RIKEN (The Institute of Physical and Chemical Research))

## ● Cost

The registration fee of this workshop, which covers the handbook of printed abstracts and the reception, banquet, all coffee breaks and lunches, will be as follows:

Participant:	40,000 Japanese Yen
(Late Registration)	45,000 Japanese Yen (after Feb. 12, 2010)
Student:	20,000 Japanese Yen

Also, hotel reservation will be made for participants by the secretariat; in particular, international guests are requested not to make reservation by themselves.

The two-days workshops will consist of invited lectures and contributed presentations. If you are interested in contributing to one(s) of the workshops listed above, please contact the corresponding workshop organizer(s) via e-mail. More detailed information will be posted in the meeting's webpage: <http://www.jscs.org/IWACOM/>