

4th International Workshops on Advances in Computational Mechanics

First Announcement

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

Organized by: The Japan Society of Computational Engineering and Science (JSCES)

Motivation and objective

After the success of the 1st International Workshops on Advances in Computational Mechanics (IWACOM) held at Hosei University, Tokyo, Japan, in 2004, the 2nd IWACOM held at PACIFICO Yokohama, Yokohama, Japan, in 2010, and the 3rd IWACOM held at KFC Hall & Rooms, Ryogoku, Tokyo, Japan, in 2015, we are pleased to announce that the 4th IWACOM will be held at Nagoya Convention Hall at Nagoya, Japan during September 16-18, 2020.

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 researchers from all over the world. 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: September 16-18, 2020

Location: Nagoya Convention Hall, Nagoya, Aichi, Japan

Coordination:

Advisory committee:

Daigoro Isobe (University of Tsukuba), Takahiro Yamada (Yokohama National University), Kohei Yuge (Seikei University), Masahide Fujisaki (Fujitsu Ltd.)

Organizing committee:

Shigenobu Okazawa (Chair, University of Yamanashi), Junji Kato (Vice chair, Nagoya University), Mayu Muramatsu (Finance chair, Keio University), Takashi Shimokawabe (Publicity chair, University of Tokyo), Mitsuteru Asai (Kyushu University), Yohsuke Imai (Kobe University), Shuji Moriguchi (Tohoku University), Yuki Onishi (Tokyo Institute of Technology), Shingo Ozaki (Yokohama National University), Kenji Takizawa (Waseda University), Yoshitaka Wada (Kindai University), Shintaro Yamasaki (Osaka University), Masao Ogino (Secretary general, Daido University)

Local organizing committee:

Junji Kato (Nagoya University), Masao Ogino (Daido University), Dai Okumura (Nagoya University), Kentaro Nakai (Nagoya University), Hiroshi Isakari (Nagoya University), Hiroya Hoshiba (Nagoya University),

Important dates:

May 11, 2020

Registration open

July 1, 2020

Deadline for abstract submission

July 15, 2020

Deadline for early registration

August 15, 2020

Deadline for hotel accommodation

Plenary Lectures

Prof. Manfred Bischoff (Universität Stuttgart, Germany)

Prof. Nicolas Moës (Ecole Centrale de Nantes, France)

Organized workshops * *Corresponding organizer*

OW1: Modeling and simulation of complex fluids and biological flows

Y. Imai* (Kobe University), K. Hayashi (Kobe University), D. Matsunaga (Osaka University)

OW2: Advances in structural and multidisciplinary optimization

S. Yamasaki* (Osaka University), J. Kato (Nagoya University), H. Isakari (Nagoya University),
H. Hoshiba (Nagoya University)

OW3: Deep and machine learning methodology in the context of application to computational engineering

Y. Wada* (Kindai University), M. Ogino (Daido University), Y. Nakabayashi (Toyo University),
A. Miyoshi (Insight Inc.)

OW4: Frontiers of nonlinear, impact and instability analysis of solids and structures

S. Ozaki* (Yokohama National University), D. Okumura (Nagoya University),
K. Ushijima (Tokyo University of Science), K. Inaba (Tokyo Institute of Technology)

OW5: Computational methods for hard-to-solve numerical problems in solid mechanics

Y. Onishi* (Tokyo Institute of Technology), K. Nishiguchi (RIKEN), T. Yamamoto (Tohoku University),
H. Sugiyama (University of Yamanashi)

OW6: High performance computing for computational engineering and science

T. Shimokawabe* (University of Tokyo), R. Yokota (Tokyo Institute of Technology),
K. Fujita (University of Tokyo), H. Kawai (Toyo University)

OW7: Multiscale simulation and materials modeling

M. Muramatsu* (Keio University), M. Tanaka (Toyota Central R&D Labs), Y. Tadano (Saga University)

OW8: Advances in geotechnical engineering

S. Moriguchi* (Tohoku University), K. Nakai (Nagoya University), K. Fujisawa (Kyoto University)

OW9: Isogeometric analysis

K. Takizawa* (Waseda University), T. Maekawa (Waseda University), Y. Otaguro (Waseda University)

OW10: Particle simulations for fluid and solid mechanics

M. Asai* (Kyushu University), A. Khayyer (Kyoto University), N. Mitsume (University of Tsukuba),
S. Tanaka (Hiroshima University), M. Kondo (AIST)

Time and events

Wednesday, September 16	Reception
Thursday, September 17	Opening ceremony, plenary lectures, technical programs and banquet
Friday, September 18	Technical programs

Cost

The registration fee of this meeting of workshops including the proceeding of abstracts will be as follows:

Participant:	40,000 Japanese Yen
(Late Registration)	45,000 Japanese Yen (after July 16, 2020)
Student:	20,000 Japanese Yen

International guests are requested not to make reservation by themselves; hotel reservation for the international guests will be made by the secretariat.

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). More detailed information will be posted in the meeting's website: <https://www.jsces.org/IWACOM/>