

OW-1 Innovative algorithms for multicore and hierarchical computational environments

Organizers: H. Okuda, K. Nakajima and T. Aoki

March, 30 (Tue) Room A

[OW-1: Session-1]

[Chairperson: T. Iwashita (Kyoto University)]

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[Chairperson: K. Nakajima (The University of Tokyo)]

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OW-2

Advances in optimization

Organizers: K. Suzuki, S. Obayashi and S. Nishiwaki

March, 30 (Tue) Room B

[OW-2: Session-1]

[Chairperson: K. Suzuki (The University of Tokyo)]

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[Chairperson: K. Yuge (Seikei University)]

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**OW-3 Advances in computational methods for
free and moving boundary problems**

Organizers: K. Kashiya, T. Nomura, J. Westerink and M. Behr

March, 30 (Tue) Room C

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[Chairperson: K. Kashiya (Chuo University)]

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OW-4

Advanced turbulent flow simulation

Organizers: S. Obi and M. Yamamoto

March, 30 (Tue) Room D

[OW-4: Session-1]

[Chairperson: M. Tanahashi (Tokyo Institute of Technology)]

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OW-5

Computational biomechanics

Organizers: S. Koshizuka, M. Ohshima and R. Torii

March, 30 (Tue) Room E

[OW-5: Session-1]

[Chairpersons: S. Wang (Fudan University), M.Oshima (The University of Tokyo)]

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OW-6

Multiphysics for Micromachines and Micromaterials

Organizers: G. Nagai, D. Ishihara, T. Toriyama, N. Miki and N. Takano

March, 30 (Tue) Room F

[OW-6: Session-1]

[Chairperson: N. Miki (Keio University)]

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[OW-6: Session-2]

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OW-7

Multiscale simulation and modeling of material behavior

Organizers: K. Terada and A. Takahashi

March, 30 (Tue) Room G

[OW-7: Session-1]

[Chairpersons: M. Cho (Seoul National Univ.), K. Terada (Tohoku Univ.)]

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[OW-7: Session-2]

[Chairpersons: J. Yvonnet (Universite Paris-Est), T. Matsuda (Univ. of Tsukuba)]

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[OW-7: Session-3]

[Chairpersons: S.S. Quek (Institute of High Performance Computing), T. Shimokawa (Kanazawa Univ.)]

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[OW-7: Session-4]

[Chairpersons: E.A. de Souza Neto (Swansea Univ.), R. Gracie (Univ. of Waterloo), Y. Tadano (Saga Univ.)]

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OW-8

Advances in structural collapse / structural impact analyses

Organizers: D. Isobe, K. Uenishi and M. Beppu

March, 30 (Tue) Room H

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[Chairperson: D. Isobe (University of Tsukuba)]

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[Chairperson: T. Ito (Tokyo University of Science)]

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[Chairperson: K. Uenishi (Kobe University)]

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[Chairperson: Y. Sonoda (Kyushu University)]

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	<i>*Koji Uenishi (Kobe University, Japan)</i>	
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	<i>*Ryosuke Ando (AIST, Japan)</i>	

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[Chairperson: M. Beppu (National Defense Academy)]

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	<i>*Jean-Pierre Vilotte (Institut de Physique du Globe Paris, France)</i>	
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	<i>*Yoshimi Sonoda (Kyushu University, Japan)</i>	
14:50-15:20	Hybrid BIEM-FDM simulation for dynamic rupture propagation on a thrust fault	167
	<i>*Nobuki Kame (University of Tokyo, Japan)</i>	
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**OW-9 Computational fracture mechanics for crack
and crack propagation analyses**

Organizers: H. Okada and T. Nagashima

March, 30 (Tue) Room J

[OW-9: Session-1]

[Chairperson: H. Okada (Tokyo University of Science)]

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	<i>*Seiya Hagihara (Saga University, Japan)</i>	
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	<i>*Bernard Paul-Emile (Ecole Centrale de Nantes, France)</i>	
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[Chairperson: S. Hagihara (Saga University)]

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	<i>*Frederick W. Brust (EMC2, Engineering Mechanics Corporation of Columbus, USA)</i>	
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	<i>*Satoyuki Tanaka (Hiroshima University, Japan)</i>	
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	<i>*Xiaosheng Gao(The University of Akron, USA)</i>	

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[Chairperson: H. Kawai (The University of Tokyo)]

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	<i>*Mao Kurumatani (Tohoku University, Japan)</i>	
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	<i>*Yuzuru Sakai (Yokohama National University, Japan)</i>	
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	<i>*Yoshitaka Wada (Tokyo University of Science, Suwa, Japan)</i>	
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	<i>*Hiroshi Kawai (University of Tokyo, Japan)</i>	
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	<i>*Leslie Banks-Sills (Tel Aviv University, Israel)</i>	

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	<i>*Hiroshi Okada (Tokyo University of Science, Japan)</i>	
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