



Center for Research on Innovative Simulation Software

[Research and Development of Advanced Simulation used in Industry]

<http://www.ciss.iis.u-tokyo.ac.jp/english/>

Aiming at Innovation in MO-NO-DU-KU-RI

Advanced simulation software drastically changes engineering

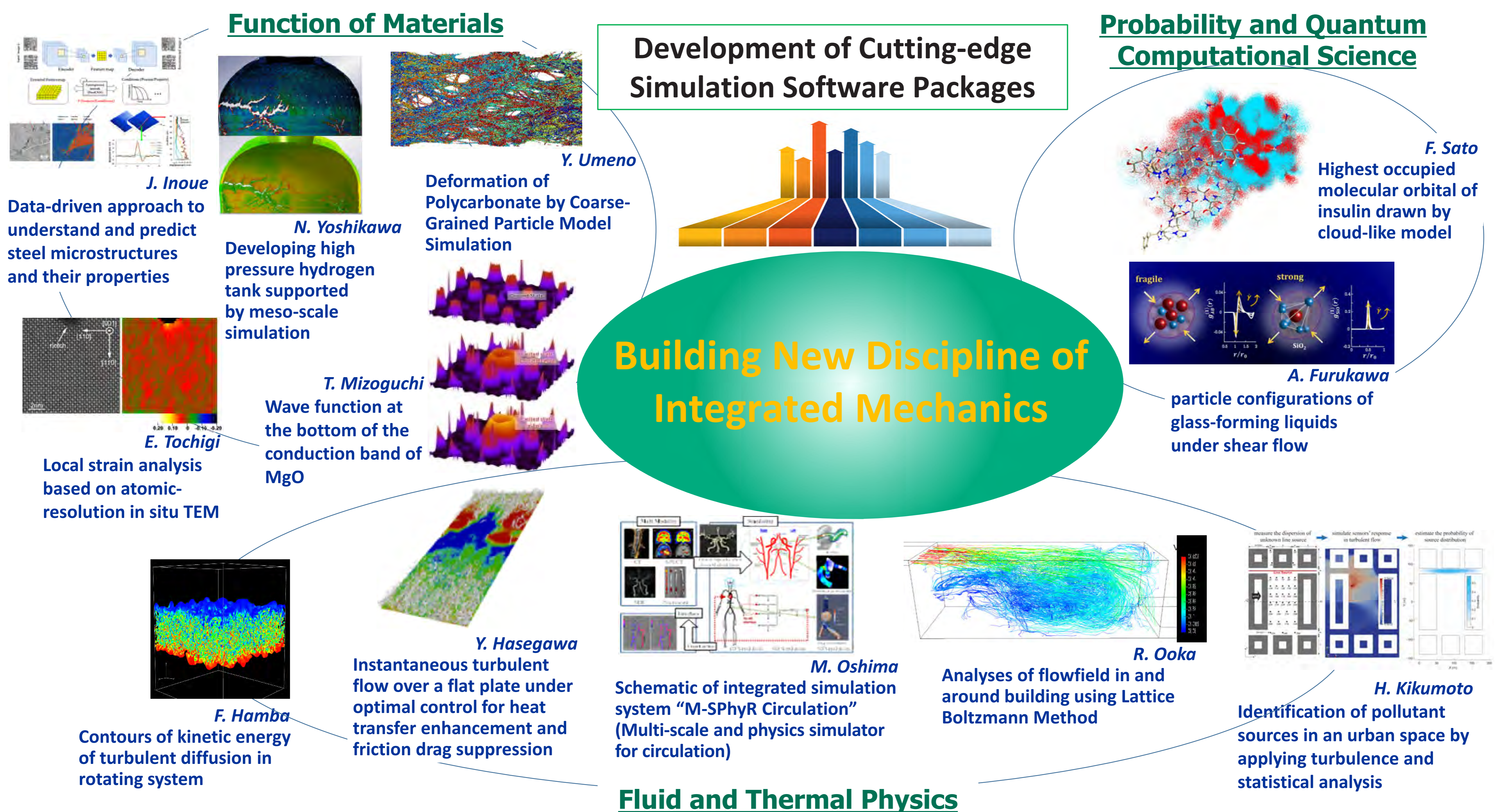
For developing leading-edge technologies to simulate all processes from material development to disposal and meeting the demands of building a sustainable society, Center for Research on Innovative Simulation Software (CISS) is reconstructing and dramatically strengthening core competencies in dynamics and developing fundamental technologies that are implemented to advanced simulation software. We aim at

- ◆ Conducting world-leading advanced research on hyper-large-scale simulation software
- ◆ Strengthening the educational foundation to educate how to make and use hyper-simulation software for industrial application
- ◆ Putting R&D results in common industrial use to enhance global competitiveness of domestic engineering

Director of Center		Deputy Director of Center																			
YOSHIKAWA, Nobuhiro	UMENO, Yoshitaka	HAMBA, Fujihiro	OSHIMA, Marie	SATO, Fumitoshi	HASEGAWA, Yosuke	MIZOGUCHI, Teruyasu	INOUE, Junya	OOKA, Ryoza	FURUKAWA, Akira	TOCHIGI, Eita	KIKUMOTO, Hideki										
Professor	Professor	Professor*	Professor*	Professor	Professor	Professor*	Professor*	Professor*	Associate Prof.*	Associate Prof.*	Associate Prof.*										

* Cooperative members

Introduction of the Research



Example of Major National Project being Promoted by CISS

Program for Promoting Researches on the Supercomputer Fugaku:

Drastic acceleration of the industrial applications of HPC through AI and research and development of new computational methods for the next era (2023-2025)

- Overview: We will prove that industrial applications of HPC can be drastically accelerated by the use of AI and will implement the results of the research in a broad range of manufacturing fields. In addition, we will develop new computational methods, which will serve as the basis for the HPC in the next era.
- Responsible organization: The Univ. of Tokyo; Kobe Univ.; Toyohashi Univ. of Tech.; Nihon Univ.; Meiji Univ.; RIKEN; Shipbuilding Research Centre of Japan.; Honda R&D Co.,Ltd.

Leading Institute

(Courtesy of Shipbuilding Research Centre of Japan)

