

# Center for Research on Innovative Simulation Software

[Research and Development of Large-Scale Simulation used in Industry]

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

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

### High performance simulation software drastically changes engineering

Center for Research on Innovative Simulation Software (CISS) was found to conduct R&D on the advanced and practical computational science simulation software utilizing hyper-large-scale simulations represented by "Fugaku" for the next hyper-simulation era. 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

**Center Director** 



KATO, Chisachi *Professor* 



YOSHIKAWA, Nobuhiro *Professor* 



HAMBA, Fujihiro Professor\*



UMENO, Yoshitaka *Professor* 



OSHIMA, Marie
Or Professor\*



SATO, Fumitoshi *Professor* 



MIZOGUCHI, Teruyasu *Professor\** 



OOKA, ONO, Kenji

Professor\* Visiting Prof.



HASEGAWA, Yosuke Associate

Prof.

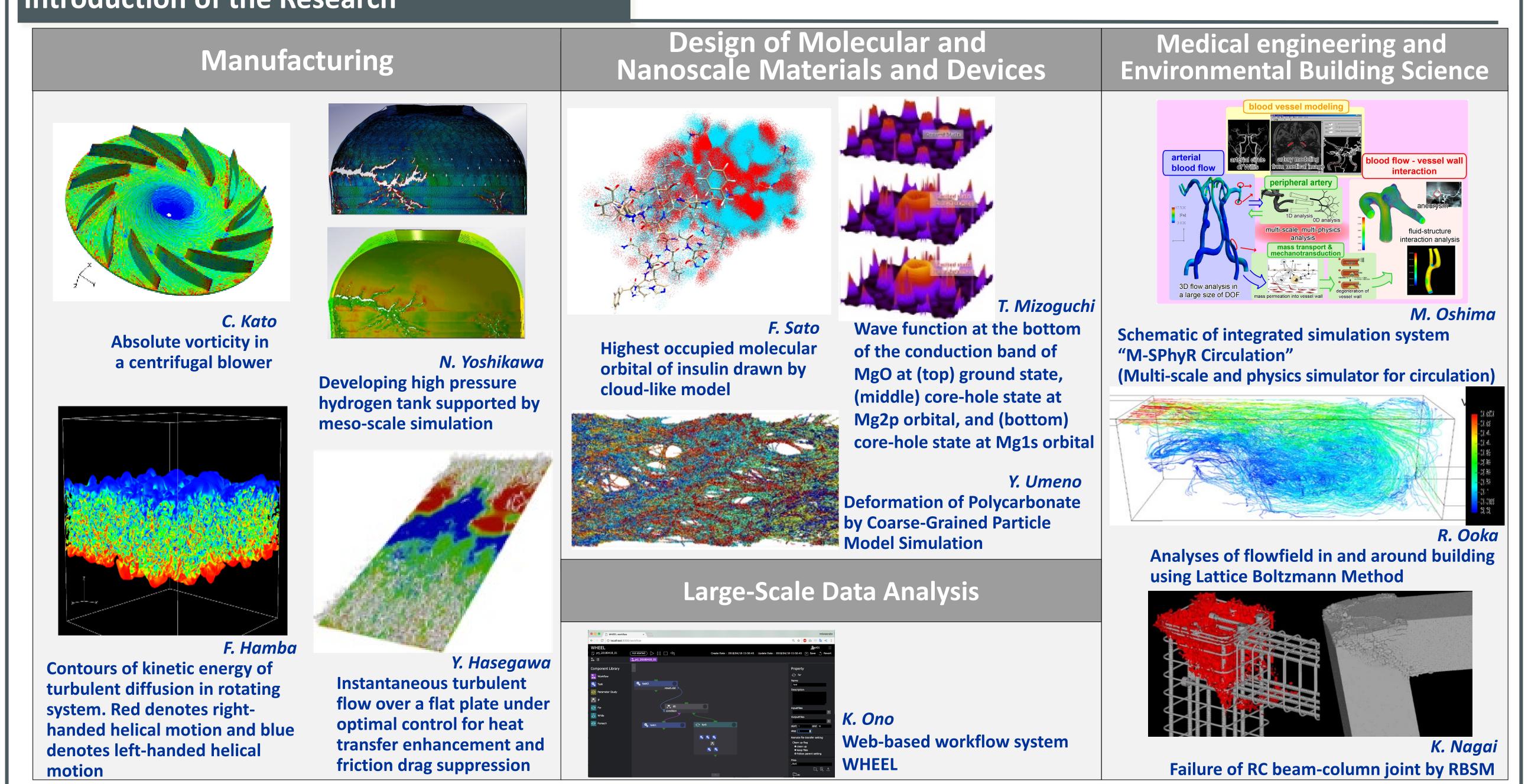


Kohei

Associate

\* Cooperating Member

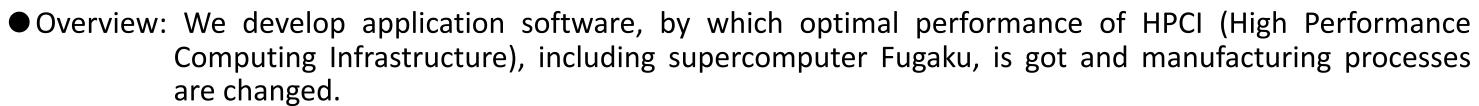
### Introduction of the Research



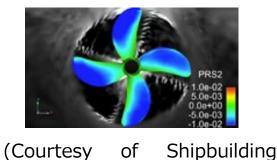
#### Example of Major National Project being Promoted by CISS

Program for Promoting Researches on the Supercomputer Fugaku:

Research and development of innovative fluid-dynamics simulations for performance predictions by using Fugaku (2020-2022)

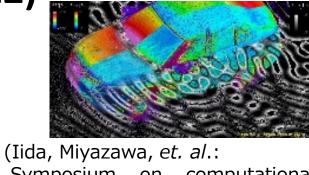


■ Responsible organization: The Univ. of Tokyo; Kobe Univ.; Kyushu Univ.; Iwate Univ.; Toyohashi Univ. of Tech.;
 Univ. of Yamanashi; RIKEN



Research Centre of Japan)

拉大



Leading Institute

(Iida, Miyazawa, et. al.: Symposium on computational fluid dynamics 2018)

