



Center for Research on Innovative Simulation Software

[Research and Development of HPC Simulation Technology and Industrial Applications of the Technology]

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

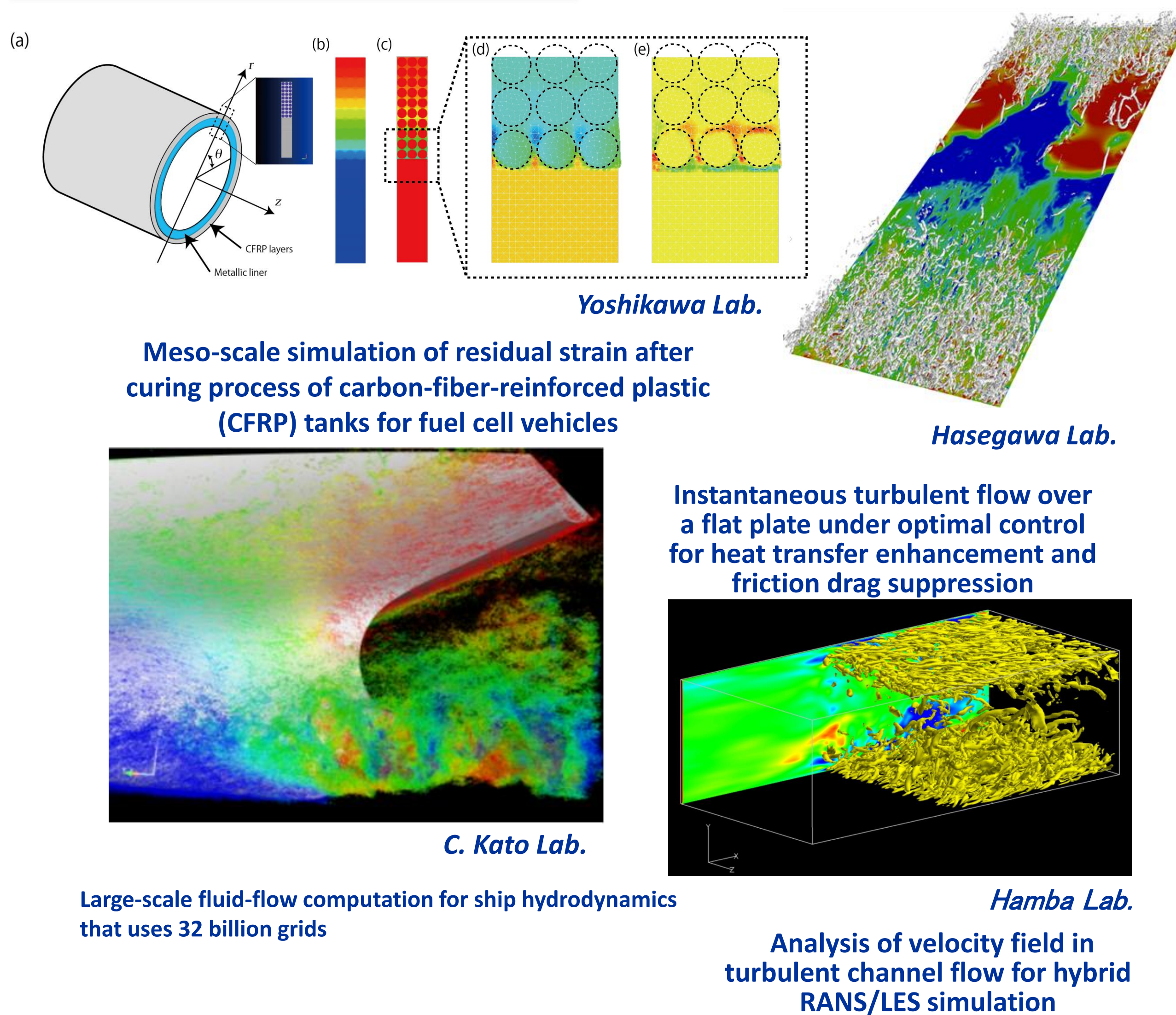
Aiming Innovation in MO-NO-DU-KU-RI

High performance simulation software drastically changes engineering

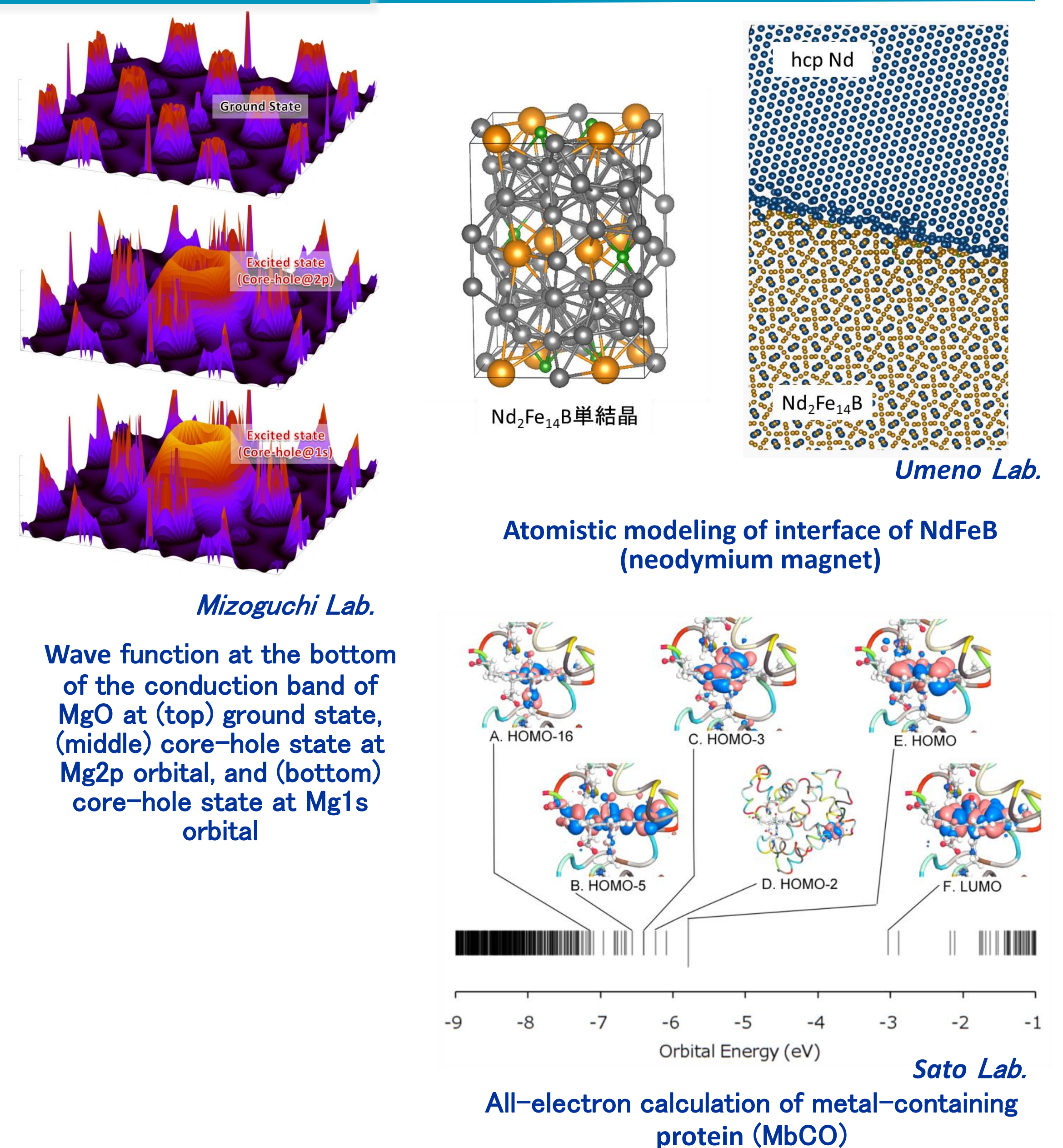
Center for Research on Innovative Simulation Software (CISS) was found to conduct R&D on the advanced and practical computational science simulation software utilizing hyper-large-scale simulations represented by "Kei" for the next hyper-simulation era. We aim at

- ◆ 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

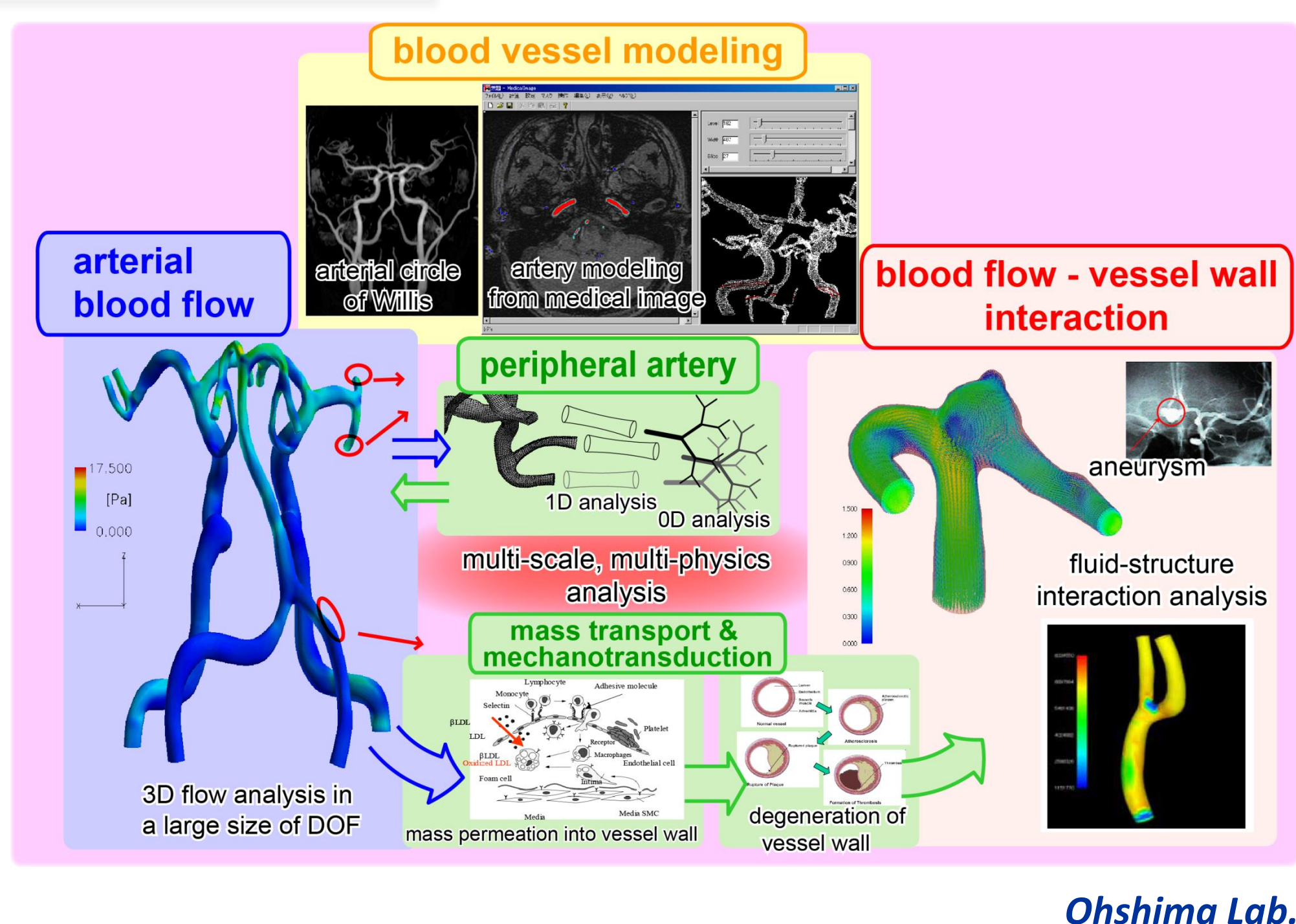
Digital Engineering



Nano-technology

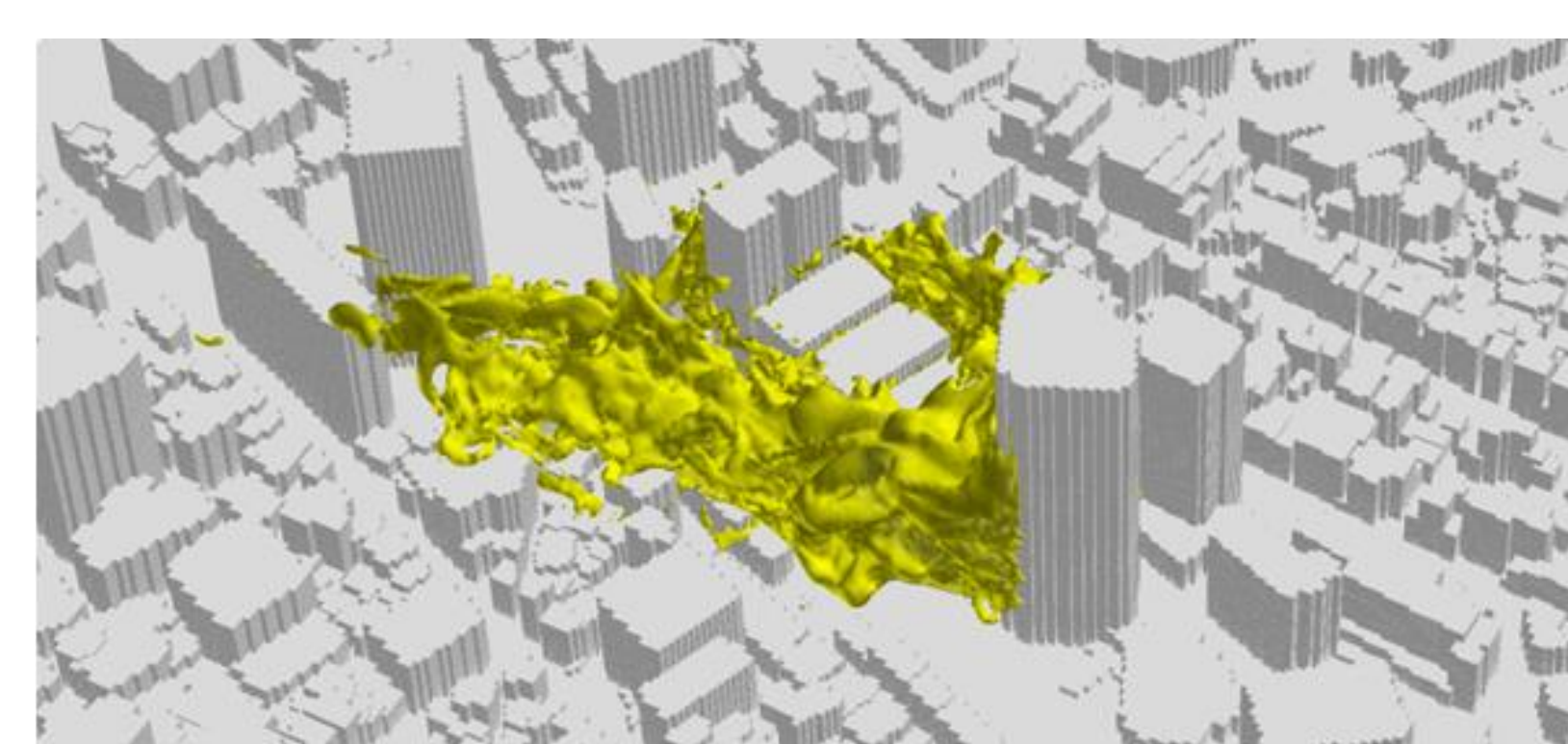


Medical Support



Schematic illustration of integrated simulation system "M-SPhyR Circulation" (Multi-Scale and Physics Simulator for Circulation)

Disaster Mitigation



S. Kato Lab.

Large Eddy Simulation for Diffusion of Hazardous Materials in Buildings Complex