

# N. YOSHIKAWA LAB.

## [High Performance Computing for Hydrogen Society]

Center for Research on Innovative Simulation Software

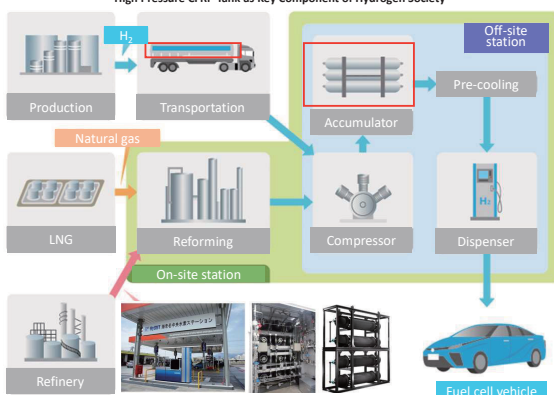
Multi-scale Solid Mechanics

Department of Mechanical Engineering

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

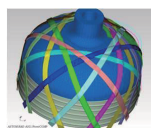
### Energy Management by High Pressure Hydrogen

High Pressure CFRP Tank as Key Component of Hydrogen Society

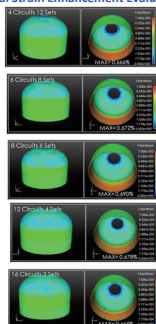


### HPC Simulation Technology to Develop CFRP Tank

Advanced Optimum Design by Meso-scale Modling



Local Strain Enhancement Evaluation



Optimum Winding Path Search



Life Time Prediction of Pressurizing Cycles

