# N. YOSHIKAWA LAB.

## [Hydrogen Society, How and When?] -High Performance Computing for Reliability-

Center for Research on Innovative Simulation Software

Multi-scale Solid Mechanics

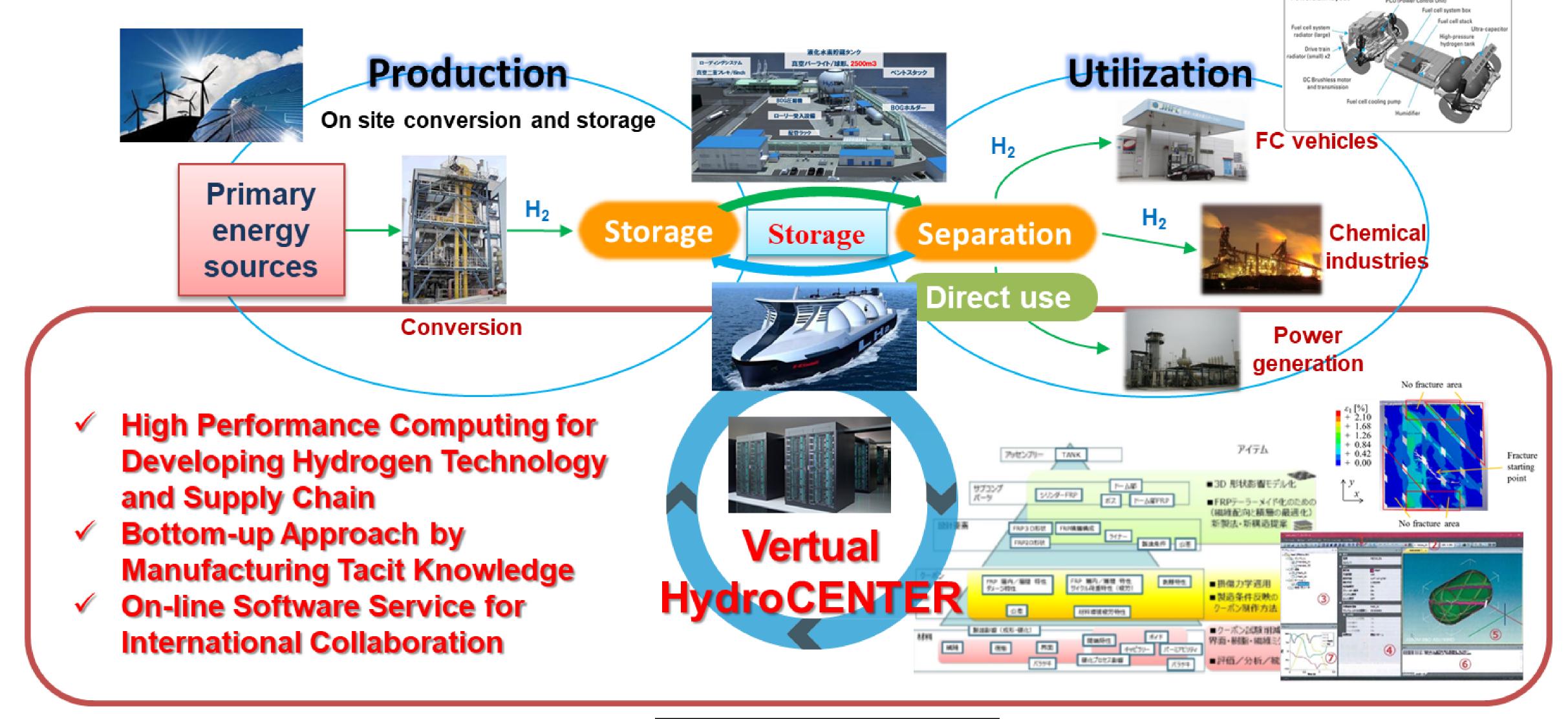
Department of Mechanical Engineering

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

## **Core Manufacturing Technology for Green Hydrogen Supply Chain**

Powertrain layout



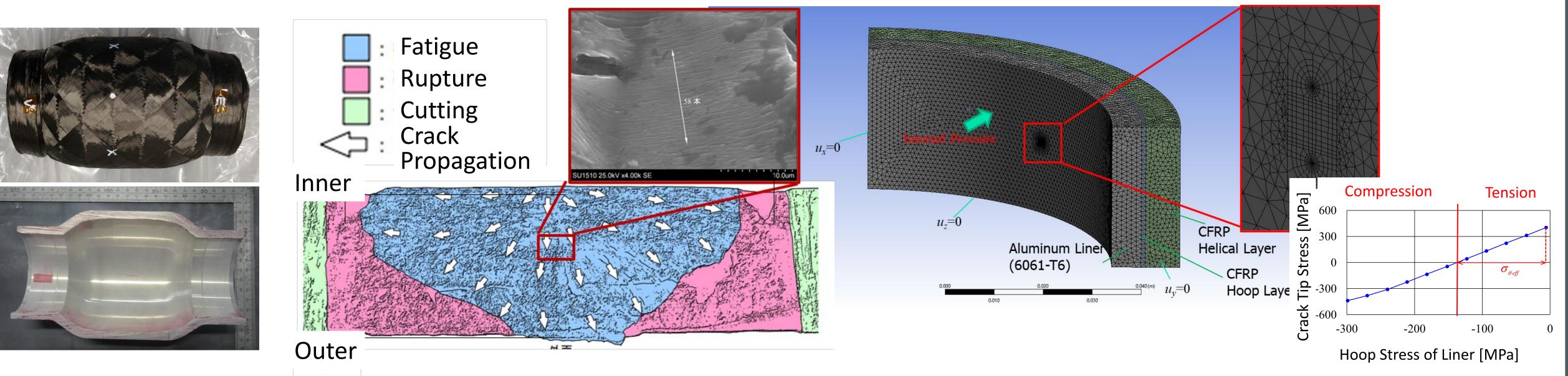


Specific District for Hydrogen Technology





### **Developing Hydrogen Tank by Integrated Experiment and Simulation**



#### **Crack Propagation by Pressure Cycle Test**

#### Prediction of Crack Propagation Rate by Simulation

