

Study on a Next-generation Measurement-Evaluation-Analysis Framework for Industry-5.0J

(Prof. Yoshikazu OHTSUBO, ohtsubo@mech.kindai.ac.jp)

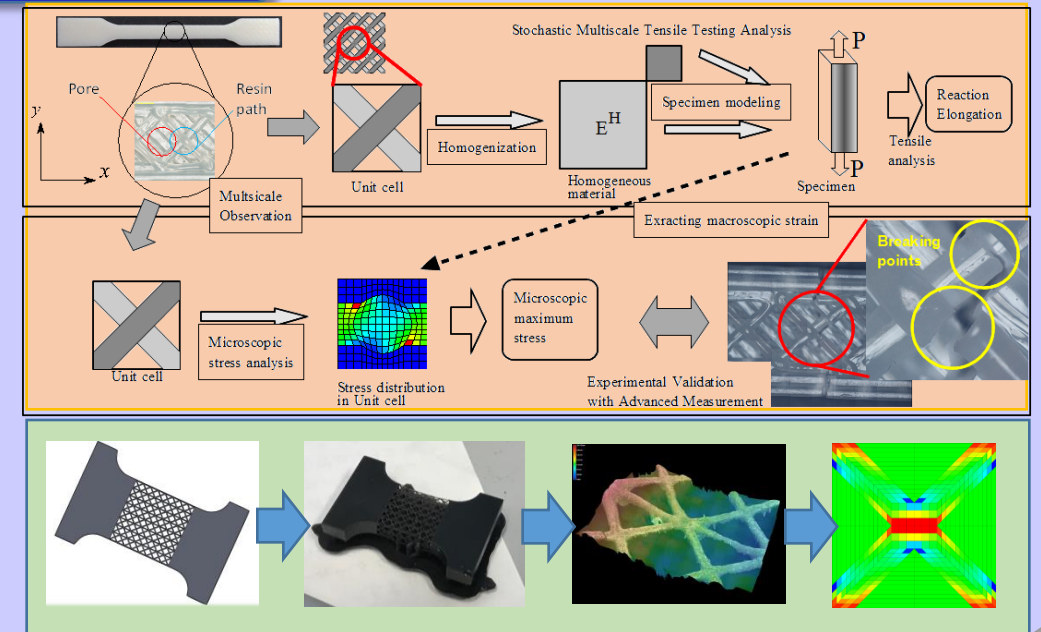
Research Area

Developments of

1. Advanced Experimental Measurement Methods.
2. Computational Analysis Methods through Micro to Macroscales.
3. a New Industrial Design Framework with 1., 2. and their Advanced Cooperation.

For example,

- a. Virtual Testing by Computer Simulation in Each Scales and its Validation with Experiments for Solid and Fluid Systems
- b. On-time Evaluation of New Advanced Materials
- c. Digital Data based Measurement and Its Visualization including Additive Manufacturing and VR.



Recent Activities

- Multiscale Stochastic Analysis of a Resin Structure Manufactured by FDM method, UNCECOMP2017, 2017