

Professor Name

Yoshiharu Kariya (Mr.)

Laboratory name

Multiscale solid mechanics Laboratory

Laboratory Website

<https://www.shibaura-it.ac.jp/en/research/laboratory/00172.html>

Keyword

Solid mechanics, FEM, reliability

Tasks in the laboratory

Research on prediction of fracture of electronic devices using computer simulation.

Program period

1 ~ 12 months

Required skills

Basic knowledge of FEM analysis and fracture mechanics

Desired skills (Preferred skills)

Knowledge of nonlinear mechanics such as Creep

Eligibility-school year

- ☐ Bachelor 3rd
- ☐ Bachelor 4th or higher
- ☐ Master 1st
- ☒ Master 2nd
- ☐ PhD 1st
- ☐ PhD 2nd
- ☐ PhD 3rd

Eligibility-student's major/fields

- ☒ Mechanical
- ☐ Chemistry
- ☒ Material
- ☐ Electrical
- ☐ Electronic
- ☐ Computer Science
- ☐ Life Science
- ☐ Mathematical
- ☐ Civil Engineering
- ☐ Architecture
- ☐ Engineering and design
- ☐ Other