Micromechanics

2 units (selection)

Shigeki Matsuo · Associate Professor / Resource Circulatory Engineering, Ecosystem Engineering, Earth and Life Environmental Engineering

Target〉 To understand the science of micro-to-nanometer domain, and learn the techniques to investigate such a domain.

Outline〉 To study the methods for precise measurement and manufacturing, in addition, microsensors, micromachining, and microactuators. In addition, hot topics concerning science and technology will be referred and discussed at any time.

Style〉 Lecture

Keyword〉 ***micro, nano***

Goal〉 To obtain basic knowledges on the micro-to-nanometer domain

Schedule〉

1. Physics and chemistry in microdomain
2. Physics and chemistry in microdomain
3. Physics and chemistry in microdomain
4. Physics and chemistry in microdomain
5. Measurements in microdomain
6. Measurements in microdomain
7. Measurements in microdomain
8. Micromachining
9. Micromachining
10. Micromachining
11. Microsensors
12. Microsensors
13. Microsensors
14. Microactuators
15. Microactuators

Evaluation Criteria〉 Assignments count 100%.

Contents〉 http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216887