

Syllabus 2017 Computer and Mathematical Sciences Applied Intelligence Software

Japanese

Basic information

held this year:	yes
instructor(s)	Prof. Takuo SUGANUMA, Assoc. Prof. Toru ABE
room	M153, RIEC(Katahira)
schedule	The latter period (Friday) 10:30–12:00
begins on:	10/06

Objectives and outline

Various information/knowledge have been created and accumulated within the global distributed environment such as Internet, and a new intelligent information system/environment is required to deal with the contents, representation scheme and media of such information/knowledge. In this lecture, the concepts, technologies and applications of both the applied intelligence software and the intelligent information system/environment over the global distributed environment are discussed, focusing on the technologies e.g., Knowledge Engineering/Artificial Intelligence, Network Computing, Distributed Processing and Recognition/Understanding of pattern-based information.

Class plan

1. Introduction
2. Advanced Software for Network Computing
3. Cooperative Distributed Knowledge Information Processing
4. Applications of Cooperative Distributed Knowledge Information Processing
5. Handling Non-symbolic Information
6. Image Understanding: From Signal To Symbol
7. Non-symbolic Information Processing based on Image Understanding
8. Summary

Evaluation

Reports and Percentage of attendance.

Textbook(s)

- 1) S.Russell, P.Norvig: Artificial Intelligence Modern Approach, Prentice-Hall Inc. (1995)
- 2) R.O.Duda et al.: Pattern Classification, John Willey & Sons, Inc. (2001)

Web site

Office hours

Contact us by e-mail in advance.

Other information

