Lecture in Optical Information Systems, Part 2

1 unit (selection)

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Target⟩ Introduction to recent topics on imaging technologies and intelligent image processing.

Outline⟩ This course introduces recent technical information on imaging technologies and intelligent image processing and describes their future directions.

Keyword⟩ *imaging technologies, intelligent image processing*

Relational Lecture⟩ "**Three-dimensional Image Processing**"(0.5), "**Virtual Reality**"(0.5)

Goal⟩ To understand the recent topics on imaging technologies and intelligent image processing.

Schedule⟩

1. Recent topics of three-dimensional CT technologies (1)
2. Recent topics of three-dimensional CT technologies (2)
3. Recent topics of three-dimensional CT technologies (3)
4. Recent topics of three-dimensional CT technologies (4)
5. Recent topics of three-dimensional CT technologies (5)
6. Recent topics of MR imaging technologies (1)
7. Recent topics of MR imaging technologies (2)
8. Recent topics of MR imaging technologies (3)
9. Recent topics of MR imaging technologies (4)
10. Recent topics of MR imaging technologies (5)
11. Recent topics of intelligent image processing (1)
12. Recent topics of intelligent image processing (2)
13. Recent topics of intelligent image processing (3)
14. Recent topics of intelligent image processing (4)
15. Recent topics of intelligent image processing (5)

Evaluation Criteria⟩ Report 100%

Textbook⟩ Reference books are introduced to each topic.

Contents⟩ http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216835

Note⟩ Preparation (2hrs) and Review (2hrs) are required to take this lecture (2hrs).