Course Title: Special Topics on Pattern Recognition

Credit: 2 CS7540(00), Spring/2004

Classes: 4:20-6:10 Tuesday at EECS 125


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Prerequisites: Image Processing, Pattern Recognition, OS, Matlab, C

Contents:

1. Biometrics for Identification and Authentication
2. Microarray Image Pattern Analysis
3. Steganography and Watermarking
4. MPEG-7/MPEG-21/XML
5. Data Compression
6. Cryptography

Textbook:

Assigned Papers from Journals and Conference Proceedings

References:

(1) D. Hanselman and B. Littlefield, Mastering MatLab 6 (2002)
(3) W. Stallings, Cryptography and Network Security (1999)
(5) Assigned Readings from Conference Proceedings, Journals, and …

Grading: Attendance (30%), Presentations (40%), Report (30%).