

CmpE 468 Multimedia Computing

Presentations and Project proposals:

Objective:

Present and solve an existing small problem of multimedia applications. The presentation may be a broad topic that has been shared by a group of (2-3) students. Then, for the project you are required to solve, program or work on a specific problem.

Choose one of the followings as your presentation and project area. You may also suggest your interest area.

Topics:

1. JPEG, MPEG and similar applications.
2. Audio characteristics and MIDI .
3. Fast Fourier transform (FFT), Discrete Cosine transform (DCT),...etc implementations for image or audio
4. Java, Visual C, C++, extensible markup lang. (XML), voice markup lang. (VML) applications such as 3D java examples,... related programming projects.
5. ATM, VoIP, VoATM, Wired and Wireless network simulations.
6. Compression algorithm implementations.
7. Network protocols and implementations.
8. Specific applications of multimedia: telerobotics, telemedicine,....
9. ...

Presentations will be done on 17 - 24 December 2008. You will also submit a project report, up to 10 pages. The schedule will be announced after the groups are formed and topics are selected. Please specify your group and topic and send a mail to Oya Aran (aranoya – AT – boun.edu.tr), not later than 24 November 2008.

If you have questions send them to the class instructor's mail adress (gurgen – AT - boun.edu.tr or aranoya –AT -- boun.edu.tr).