ECE 8247: Multimedia Systems

Issues, algorithms and standards for the representation storage, and transmission of multimedia signals, including: low bit rate coding (e.g. JPEG, JEPEG2000) for still images, and MPEG-1, 2, 4 and 7 for digital video compression; audio compression via MP3 and H.261 video conferencing standard; multimedia content protection through digital watermarking, authentication by data hiding, encryption, content-based search and retrieval, multimedia communications over DSL and other broadband networks. Commercial and consumer multimedia products and systems.

Credits: 3.0
Prerequisites:
ECE 8072 :C