Integrating Music And Graphics

Course Notes

Perspective

Notes
A Composer's Introduction to Computer Music
The Role of the Artist in the Laboratory
The Evolution of the SSSP Score Editing Tools
The Sackbut Synthesizer

Standards

Musicians Make A Standard: The MIDI Phenomenon
MIDI Backus-Naur Form
SMPTE Longitudinal and Vertical Interval Time Code
Synchronizing with SMPTE
SCH Timing Seminar Notes
IFF: The Standard of Sharing
CD-I Technical Overview

Background

Music: Rhythm and Meter
Music: Harmony and Melody
Digital Music Synthesis
Software
Interfaces
Video Access
Getting Graphics Onto Video

Systems

Systems
Composers' Services
Music Videos for the Rest of Us
Eedie and Eddie on the Wire

Ideas

Digital Harmony
Constraint Languages
The Harmony Grid
Musical Fractals
The Eyeful Tower: Videowall Stacks Up
Controlling CD-I: Languages and Authoring Systems

Tools

The Computer as Accompanist
The Synthetic Performer
Real-time Accompaniment
Graphic Scene Simulations
A Comprehensive Shading Model
A Ray Tracer