

Daniel D. McCracken
Computational Sciences
Seminar Series

Thursday 3:00 p.m., February 5, 2004
Black Hall, Room 152

Dr. Bret Battey

Center for Digital Arts and
Experimental Media, Univ. Washington

Computer Modeling of Expression Curves
in Hindustani Classical Music

Abstract: Computer music tools often reflect the assumption that all there is to music is notes. But in many musical traditions, the shaping of timbre, amplitude, and the pitch-space *between* notes is essential to expression, and conventional computer music tools fall short of addressing such traditions. Dr. Battey will present a method for extracting and modeling expression curves from recorded performances. This information can be used in musicological analysis, or the data can be repurposed towards expressive computer rendering of custom melodic gestures and musical textures. Though initially developed around Hindustani classical music, the modeling process is applicable to many types of music where continuous expression curves are essential.

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