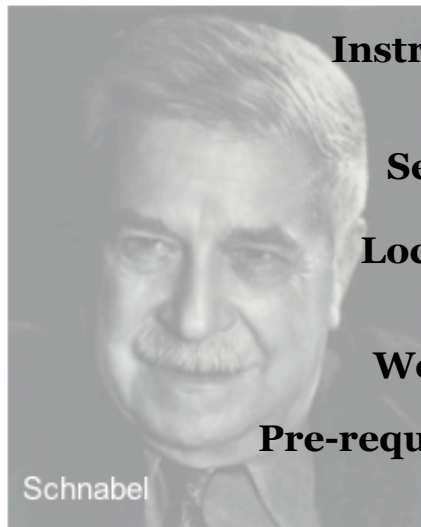


## course announcement

# ISE 599 Topics in Engineering Approaches to Music Cognition ISE 575b\* EE 675b CSCI 575b Computational Modeling of Expressive Performance

## Spring 2006

Daniel J. Epstein Department of Industrial and Systems Engineering  
University of Southern California Viterbi School of Engineering



**Instructor:** Elaine Chew <echew@usc.edu>  
GER-245, (213) 8.212.414

**Section:** 048-31618R

**Day:** Wednesday 10:00-12:40pm (negotiable@1st mtg)

**Location:** GER 309

**Text:** Selected technical papers from current literature

**Website:** <http://www-scf.usc.edu/~ise575/b>

**Pre-requisites:** Graduate standing in engineering or by instructor's consent. Programming experience (C++ or Java) and/or formal music knowledge.

This course surveys computational research in expressive music performance. Expressive performance is the manipulation of musical parameters such as tempo, loudness, and articulation so as to focus attention and facilitate parsing of musical features, and to create an emotional affect. The material will cover classical domain knowledge and empirical research in, and generative approaches to, expressive performance from contemporary literature in the field.

\* The course is in the process of obtaining university approval as ISE575b, EE675b, and CSCI 575b (part of an a,b,c sequence).

