BROOKLYN COLLEGE CENTER FOR COMPUTER MUSIC PRESENTS

# GUEST SCHOLAR MILLER S. PUCKETTE

SEPTEMBER 16, 2010, 12:30PM

*Puckette is the original author of Max, electronic music software that is popular worldwide*

**The Brooklyn College Center for Computer Music** (www.bc-ccm.org) Announces a special guest lecture by renowned computer musician and computer scientist **Miller S. Puckette**, who will visit Brooklyn College and give a presentation on Thursday, September 16 at 12:30pm in the Woody Tanger Auditorium (Room 150, first floor, Brooklyn College Library).

Puckette is most-known as the original author of **Max**, a computer music software application that is now used by thousands of musicians and media artists worldwide.



Miller S. Puckette

Puckette describes his talk, **Re-purposing Musical Instruments As Synthesizer Controllers**, as follows:

> In order to use a computer as a musical instrument, one can either design a new interface (and then have to learn to play it) or fall back on one or more existing instruments and somehow hijack the performer's actions for use controlling the new instrument. I've been working for several years on the second of the two approaches, in particular trying to use the instrumental sound output as a control source for an electronic instrument. This talk is a progress report on what I've been able to do so far using a guitar and a small percussion instrument to control a small but growing collection of synthesis algorithms.

**Miller Puckette** is Associate Director fo the Center for Research in Computing and the Arts (CRCA) at the University of California, San Diego. He is also the author of Pure Data ("Pd"), a free, open-source real-time software system for live musical and multimedia artists. He may be found online at http://crca.ucsd.edu/~msp.

**Miller Puckette Biographical note**

Miller Puckette obtained a B.S. in Mathematics from MIT (1980) and Ph. D. in Mathematics from Harvard (1986). He was a member of MIT's Media Lab from its inception until 1987, and then a researcher at IRCAM (l'Institut de Recherche et de Coordination Musique/Acoustique, founded by composer and conductor Pierre Boulez). There he wrote the Max program for MacIntosh computers, which was first distributed commercially by Opcode Systems in 1990 and is now available from Cycling74.com . In 1989 Puckette joined IRCAM's "musical workstation" team and wrote an extended version of Max, called Max/FTS, for the Ircam Signal Processing Workstation.

Puckette joined the Music department of the University of California, San Diego in 1994, and is now Associate Director of the Center for Research in Computing and the Arts (CRCA). He is currently working on a free, open source real-time software system for live musical and multimedia performances called Pure Data ("Pd"), in collaboration with many other artists/researchers/programmers worldwide. In 1997 Puckette joined the Global Visual Music project. Since 2004 he has performed with the Convolution Brothers.