

Nathan Wolek, Ph.D.
Assistant Professor of Music
School of Music and Digital Arts Program
www.nathanwolek.com

421 N. Woodland Blvd. Unit 8399
DeLand, FL 32723
386.822.8987
nwolek@stetson.edu

EDUCATION

Doctor of Philosophy in Music Technology, Northwestern University, 1999 - 2005
Concentrations: Granular Synthesis, Performance Systems, Audio Installations
Dissertation: *A Simplified Granular Processing Interface Based on Perceptual Research*

Bachelor of Music in Digital Arts, Stetson University, DeLand, FL, 1995 - 1999
Concentrations: Music Technology, Web Application Development

RESEARCH SKILLS

Real-time and interactive audio programming with Cycling74's Max/MSP
Multi-track hard disk recording and editing using ProTools
Audio and MIDI sequencing with Logic Pro and Digital Performer
Live sound engineering and studio recording experience
Java, C and C++ programming
Analysis and history of electronic and American popular music

TEACHING EXPERIENCE

Assistant Professor, Fall 2005 – present
Program Director, Fall 2008 – present
School of Music and Digital Arts Program, Stetson University

Assistant Professor, Fall 2004 – Spring 2005
Music Department, University of Hawaii at Manoa

Visiting Lecturer, Fall 2003 – Spring 2004
School of Music and Digital Arts Program, Stetson University

Visiting Lecturer, Fall 2002 – Spring 2003
Audio Arts & Acoustics Department, Columbia College Chicago

Teaching Assistant, Winter 2002
School of Music, Northwestern University

Graduate Instructor, Fall 2001 & Fall 2000
School of Music, Northwestern University

RELATED RESEARCH AND PROFESSIONAL EXPERIENCE

Music Director for *Mobile Performance Group*. January 2004-present. Oversee creative decisions, technical developments and performance preparations for music and audio components of multimedia performances; coordinate overall vision with Creative Director (Matt Roberts); logistical planning for travel with student artists.

Project Manager for *Ringtone Project*. October 2008-May 2009. Lead a team of three student professionals in the creation of over 100 ringtones and sound effects for a Fortune 500 company; negotiated contract terms; composed and produced over 20 ringtones personally.

Co-Developer for *Hipno*. December 2003-May 2009. Designed and programmed plugins for new product released by Cycling'74, makers of Max/MSP & Pluggo; worked with other developers at Electrotap to test product and write documentation prior to release.

Audio Technician at *First Presbyterian Church of Evanston*. February 2001-June 2003. Live and recording audio engineering for weekly services and special events; work with guest artists including the Jubilate Children's Choir, North Park University Gospel Choir, John Easterlin and Roberta Thomas; Inventory development and management; Liaison for contracted audio enhancements.

Sound Designer for *Dancing with the Devil at the Crossroads* by Renée Alexander. December 2001-February 2002. Created and managed audio cues in consultation with director; Developed custom playback and processing software using Max/MSP.

Recording Engineer for *Songbook 2* by The Primarily Arts Network. December 2000-January 2001. Recording session preparation; Management of multi-track hard disk recording; Microphone selection and placement.

Project Consultant for *Fool's Paradise* by Paul Hertz. November 2000-February 2001. Design of custom audio software solutions using Max/MSP in consultation with the artist.

Project Consultant for *Thomas and Beulah* by Amnon Wolman. January 2000-January 2001. Implementation of custom audio and MIDI performance software using Max/MSP in consultation with the composer; Monitoring performance system during rehearsals and world premiere at the Museum of Contemporary Art (Chicago, IL).

SELECTED PERFORMANCES

Collective Sites (UCF). Mobile Performance Group. **Music director, programmer, performer**. 26 February 2009. University of Central Florida's Colbourn Hall (Orlando, FL). Part of the College Music Society (CMS) Southern Chapter Regional Conference.

Orbital Studies. Paulo Chagas, Caio Pagano and Nathan Wolek. **Electronics co-composer and performer**. 13-14 September 2008. Espaço Cultural CPFL (Campinas, Brazil) and SESC Vila Mariana (Sao Paulo, Brazil). Part of the 43rd Festival Música Nova.

Collective Sites (San Diego). Mobile Performance Group. **Music director, programmer, performer**. 5-6 October 2007. San Diego State University's Smith Recital Hall (San Diego, CA). Part of the New West Electronic Arts & Music Organization, an international festival of electro-acoustic music.

Selections from ISEA and Conflux. Mobile Performance Group. **Music director, programmer, performer**. 9 November 2006. Columns Hotel (New Orleans, LA). Part of the International Computer Music Conference 2006.

Collective Sites (Brooklyn). Mobile Performance Group. **Music director, programmer, performer**. 16 September 2006. Barcade (Brooklyn, NY). Part of the Conflux Festival.

Parking Spaces (San Jose). Mobile Performance Group. **Music director, programmer, performer**. 10-12 August 2006. Various downtown locations (San Jose, CA). Part of the 13th annual International Symposium of Electronic Arts (ISEA).

Parking Spaces (Gainesville). Mobile Performance Group. **Music director, programmer, performer**. 6 April 2006. University of Florida Center for the Performing Arts (Gainesville, FL). Part of the 15th annual Florida Electroacoustic Music Festival.

Events. Matt Roberts and Nathan Wolek. **Composer, performer**. 23 February 2006. Nomad World Pub (Minneapolis, MN). Part of the Spark Festival of Electronic Music and Art.

Parking Spaces (Tampa). Mobile Performance Group. **Music director, programmer, performer.** 21 October 2005. Tampa Union Station (Tampa, FL). Part of Post Industrial Carnival.

Events. Matt Roberts and Nathan Wolek. **Composer, performer.** 24 October 2004. Roundhouse Community Centre (Vancouver, BC). Part of the New Forms Festival 2004, an International Festival of Media Arts.

Park 'n Ride. Mobile Performance Group. **Audio team leader, programmer.** 15 April 2004. Pine Street (Orlando, FL). Part of the Third Thursday Art Happenings.

Events. Matt Roberts and Nathan Wolek. **Composer, performer.** 19 & 20 March 2004. HCC Ybor Performing Arts Theater (Tampa, FL). Part of the Ybor City Festival of the Moving Image.

Park 'n Ride. Mobile Performance Group. **Audio team leader, programmer, performer.** 18 March 2004. Centro Ybor Plaza in Ybor City (Tampa, FL). Part of the Ybor City Festival of the Moving Image.

need not. NMCP with special guest Matt Roberts. **Director, programmer, performer.** 4 December 2003. Advanced Digital Music Lab at Stetson University (DeLand, FL). Part of the FMAN digital arts showcase.

I'll have an Electric Mahabarata, please. Anthony Cornicello. **Live electronics assistant.** 8 November 2003. Elizabeth Hall Auditorium at Stetson University (DeLand, FL). Part of the Society of Composers, Inc. (SCI) 2003 Region IV Conference.

must contain. Nathan Wolek. **Composer, performer.** 6 November 2003. Elizabeth Hall Auditorium at Stetson University (DeLand, FL). Part of the Society of Composers, Inc. (SCI) 2003 Region IV Conference.

Contrast Settings & Real Time Psycho Active Time. Lucid Dream Ensemble. **Member, programmer, performer.** 11 May 2003. Block Museum at Northwestern University (Evanston, IL). Part of the New Music Marathon.

He Who Gets Slapped. Lucid Dream Ensemble. **Member, programmer, performer.** 26 April 2003. Block Museum at Northwestern University (Evanston, IL). Part of the Block Cinema's Silent Film Series.

distract/change. Lucid Dream Ensemble. **Member, programmer, performer.** 27 March 2003. Museum of Contemporary Arts (Chicago, IL). Part of the version 03 festival.

Real Time Psycho Active Time. Lucid Dream Ensemble. **Member, programmer, performer.** 16 March 2003. Digital Arts Ranch at Arizona State University (Tempe, AZ). Part of the SEAMUS 2003 national conference.

S. Christophe Havel. **Live electronics.** 4 June 2002. Regenstein Recital Hall at Northwestern University (Evanston, IL).

Pleasant Amnesia. Lucid Dream Ensemble. **Member, programmer, performer.** 25 May 2002. Block Museum at Northwestern University (Evanston, IL). Part of the Northwestern University Center for Art and Technology's second annual symposium.

Dancing with the Devil at the Crossroads. Renee Alexander. **Sound diffusion and live electronics.** 1-3 February 2002. Wallis Theater at Northwestern University (Evanston, IL).

Thomas and Beulah. Amnon Wolman and Rita Dove. **Live sound engineer and live electronics assistant.** 18-21 January 2001. Museum of Contemporary Arts (Chicago, IL). Performance recording released by Innova Recordings.

PUBLICATIONS

CD Review: Erdem Helvacioğlu – Altered Realities. 2008. Array: the Journal of the ICMA, 2007-2008 double issue.

CD Review: Bob Gluck – Electric Brew. 2008. Array: the Journal of the ICMA, 2007-2008 double issue.

Concert Review: Day 3 of SCI Region IV Conference. 2004. SCI Newsletter, Issue XXXIV: 1.

Granular Toolkit v1.0 for Cycling74's Max/MSP. 2001. Journal SEAMUS, Volume XVI, No. 2, pp 34-46.

CONFERENCE PRESENTATIONS

Laptop = Instrument? 2010. Invited presentation for the Florida Music Educators Association (FMEA) Annual Clinic-Conference in Tampa, FL.

Teaching Musical Concepts through Multimedia Performance. 2009. Presented at the College Music Society (CMS) Southern Chapter Regional Conference at the University of Central Florida.

The Online Graphical Community as a Potential Interface for Interactive Music Performance. 2008. Co-authored with Megan England (lead author). Presented at the Spark Festival of Electronic Music and Art at University of Minnesota and the Society for Electro-Acoustic Music in the United States (SEAMUS) National Conference at University of Utah.

Pursuing NASM approval for an undergraduate music technology degree. 2007. Presented at the 2007 Association for Technology in Music Instruction (ATMI) in Salt Lake City, UT.

Discussion boards as a platform for sharing composition assignments. 2007. Invited digital poster. Presented at the College Music Society (CMS) Pre-Conference Technology Boot Camp.

The Laptop Ensemble as a Pedagogical Tool. 2006. Panel co-chair with Virgil Moorefield. Presented at the International Computer Music Conference (ICMC) at Tulane University.

Perceptually significant features of granular processing. 2006. Presented at the international symposium on The Creative and Scientific Legacies of Iannis Xenakis in Ontario, Canada.

Exploring New Places for New Music. 2006. Invited panelist. Presented by the Canadian League of Composers as part of the soundaXis festival in Ontario, Canada.

Music technology in higher education: different models, common issues and future trends. 2003. Co-authored with Peter V. Swendsen. Presented at the Association for Technology in Music Instruction (ATMI) Meeting in Miami, Florida.

Understanding the Perception of Granular Processing. 2003. with Gary S. Kendall and Scott D. Lipscomb. Presented at the Society for Music Perception and Cognition (SMPC) Biennial Meeting at University of Nevada, Las Vegas.

A Granular Toolkit for Cycling74's Max/MSP. 2002. Presented at the Society for Electro-Acoustic Music in the United States (SEAMUS) National Conference at University of Iowa.

GRANTS

Hand Grant for Course Development. *Teaching musical concepts through electronic music*. Stetson University, Summer 2007.

Graduate Summer Research Grant. *Completion of PhD Candidacy Requirements*, Northwestern University, Summer 2002.

Graduate Summer Research Grant. *Granular Synthesis Toolkit Development*, Northwestern University, Summer 2001.

SERVICE

Banner Center for Digital Media, Education Steering Committee (October 2008-present)

Digital Arts Program Committee (Fall 2005-present, Chair: Fall 2008-present)

Academic Technology Committee (Fall 2007-present)

Publications Board, At-Large Member (Fall 2006-present)

Digital Arts Visiting Lecturer Search, Chair (Spring 2009)

McMahan Hall Design Advisory Committee (Fall 2007-Spring 2009)

Faculty Interviewing Group for University President Search (October 2008)

Undergraduate Research Committee (Fall 2005-Spring 2006)

PROFESSIONAL MEMBERSHIPS

International Computer Music Association (ICMA)

Association for Technology in Music Instruction (ATMI)

College Music Society (CMS)

Phi Mu Alpha Sinfonia

HONORS AND AWARDS

University Fellowship, Northwestern University, 1999-2000.

Music Scholarship, Stetson University, 1995-1999.

Academic Scholarship, Stetson University, 1995-1999.

Omicron Delta Kappa (Leadership Honorary), 1999.

Pi Kappa Lambda (Music Honorary), 1998.