

Steven Kemper

Curriculum Vitae

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EDUCATION

- University of Virginia, Charlottesville, VA
 - Anticipated Ph. D. in music composition and computer technologies, May 2011
 - Teaching assistantship—Introduction to Music and Computers, Fall 2008
 - Summer course—Art and Architecture Through Music, Summer 2008
 - Teaching assistantship—Technosonics, Spring 2008
 - Teaching assistantship—Exploring the Orchestra, Fall 2007
 - Teaching assistantship—Musicianship, Fall 2006-Spring 2007
- Bowling Green State University, Bowling Green, OH
 - Master's in Music, August 2006
 - Master's thesis: *Straight, Curving, Colorful: Three Architects* for Clarinet, Cello, and Computer
 - Teaching assistantship—music technology, 2005–2006
 - Administrative assistantship—MidAmerican Center for Contemporary Music, 2004–2005
- Bowdoin College, Brunswick, ME
 - Bachelor of Arts with honors in Music, May 2003

RESEARCH INTERESTS

- Composition, Musical Robotics, Computer Music, Music and Mythology

SELECTED PERFORMANCES

- October 29, 2008. *Study no. 1 for PAM and MADI* (Poly-(tangent) Automatic (multi)-Monochord and (multi)-Mallet Automatic Drumming Instrument). Technosonics 2008 Virginia Center for Computer Music 20th anniversary tour, University of Delaware, Newark, DE.
- October 11, 2008. *At the Crossing of Five Paths* (flute, pre-recorded sounds and computer processing). Pixilerations [v.5] part of FirstWorks Providence, University of Rhode Island Shepard Building Auditorium, Providence, RI.
- June 5, 2008. *Run From Fear* (flute, clarinet, piano, cello, bass). American Composers Alliance Festival of American Music 2008, Leonard Nimory Thalia at Peter Norton Symphony Space, New York, NY.
- November 23, 2006. *Neoga* (electroacoustic music and video). Seoul International Computer Music Festival, Seoul, Korea
- Spring 2006. *Neoga*. 15th Annual Florida Electroacoustic Music Festival, Gainesville, FL

- Fall 2005. *Gliding Through a Misty Phosphorescence*. Selected and premiered by the Grupo Sax-Ensemble through their 1st Rostrum for Young Composers, Circulo de Bellas Artes, Sala Valle Inclan, Madrid, Spain. Performance broadcast on Radio Clásica (Radio Nacional de España)

TEACHING EXPERIENCE

- Fall 2008. **Teaching assistant** for **Introduction to Music and Computers**. Responsible for designing weekly lab sections teaching students topics in computer music using Logic. Supervising faculty: Judith Shatin
- Summer 2008. **Instructor** for **Art and Architecture Through Music**. New, self-designed course focused on art/architecture based on music, music based on art/architecture, from baroque through contemporary music including Jazz, Rock, and Hip-Hop. Faculty mentor: Fred Maus
- Spring 2008. **Teaching assistant** for **Technosonics**. Responsible for designing weekly lab sections focusing on computer music composition using garage band. Graded composition, writing assignments and tests. Supervising faculty: Matthew Burtner
- Fall 2007. **Teaching assistant** for **Exploring the Orchestra**. Responsible for designing weekly discussion sections focusing on topics related to the history of orchestral music, assigning and grading weekly written assignments, and grading tests for 100 level class. Supervising faculty: Kate Tamarkin
- Fall 2006–Spring 2007. **Teaching assistant** for **Musicianship**. Responsible for teaching aural skills including sight singing and dictation to individual sections of 6-13 students each. Created and graded assignments and exams. Supervising faculty: Michael Slon
- Fall 2005–Spring 2006. **Teaching assistant** for **Advanced Music Technology**. Responsible for conducting help sessions on advanced computer music topics, proctoring exams, maintaining hardware and software for electroacoustic studios. Also responsible for setting up and running electroacoustic concerts. Supervising faculty: Elaine Lillios

COMMISSIONS, HONORS, AND AWARDS

- Spring 2008. Robert J. Huskey Graduate Research Exhibition second place poster award (Expressive Machines Musical Instruments)
- Fall 2007. *Run From Fear* (flute, clarinet, piano, cello, double bass version) commissioned by Bowdoin College to celebrate the opening of the Studzinski Recital Hall
- Fall 2005. Katzner and University Bookstore Funds for Graduate Student Research and Professional Development Award, Bowling Green State University
- Spring 2003. Academic honors in Music–Department of Music, Bowdoin College
- Spring 2003. William H. Moody Prize–Department of Theater and Dance, Bowdoin College

GRANTS

- Fall 2008. Music Department Travel Grant (\$250)
- Summer 2007. Robert J. Huskey Travel Fellowship (\$250)

- Fall 2005. Pro Musica Travel Grant (\$500)
- Fall 2005. MidAmerican Center for Contemporary Music Travel Grant (\$250)
- Fall 2005. Graduate Committee, College of Musical Arts Travel Grant (\$200)

RESEARCH

- Fall 2007-present. **Co-founder of Expressive Machines Musical Instruments (EMMI)** research group focused on designing and building computer controlled mechanical instruments. Instruments include: PAM: Poly-(tangent) Automatic (multi)-Monochord an automatic string playing instrument and MADI: (multi)-Mallet Automatic Drumming Instrument.
- Fall 2007-Spring 2008. **Associate Director of the University of Virginia Interactive Media Research Group (IMRG)** led by faculty Matthew Burtner. Assisted leading undergraduates and graduates in the creation of MICetro hardware/software system culminating in a networked laptop performance of 500 computers.

PUBLICATIONS AND PRESENTATIONS

- April 17, 2008. Expressive Machines Musical Instruments Lecture/Demonstration, Danville Science Center, Danville, VA
- September 8, 2007. "Technology and the Orchestra." Presented at the South-Central Graduate Music Consortium 5th Annual Conference, Duke University, Durham NC
- September 9, 2006. "Diffusion or Delusion? Performance Practice Issues in Tape Music." Presented at the South-Central Graduate Music Consortium 4th Annual Conference, University of Virginia, Charlottesville, VA
- "Review of the Threshold festival." Journal SEAMUS 18, no. 2 (2005): 45-46

SERVICE POSITIONS

- 2008-2009. Relâche ensemble residency. Obtained \$10,000 UVA Arts Council Annual Fund for the Arts grant, organized residency activities.
- November 2007. Associate Technical Director, Third Practice Electroacoustic Music Festival
- 2005–2006. President of PRAECEPTA, student organization devoted to the promotion of new music and student chapter of the Society of Composers Inc., Bowling Green State University
- 2005–2006. Member of MidAmerican Center for Contemporary Music advisory board
- 2005–2006. Member of Bowling Green State University Arts Collaboration Organization

SUMMER PROGRAMS AND WORKSHOPS

- 2007. Orford Sound Art Workshop, Centre dArts Orford, Orford, Québec. Workshop with Yves Daoust, Alain Savouret, Paul Koonce
- 2002. Summer Composers Seminar, New York University, New York, NY. Seminar with Dinu Ghezzo, Ron Mazurek, George Crumb, Leo Kraft

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Broadcast Music, Inc.

- Society for Electroacoustic Music in the United States
- Society of Composers, Inc.
- American Composers Forum
- American Music Center

TECHNICAL SKILLS

- **Digital Audio/Music:** Logic, Pro Tools, Digital Performer, Csound, Max/MSP, RTCmix, Peak, DSP Quattro, Sibelius, SoundHack, Garage Band, Waves Diamond plug-ins, GRM Tools, Spear, Frequency
- **Digital Video:** Final Cut Pro, Maya, DVD Studio Pro, Quicktime Pro, After Effects
- **Graphical/Layout:** Adobe Creative Suite (Photoshop, Acrobat, Illustrator, In Design, Dreamweaver)
- **Hardware:** Arduino microcontrollers (Diecimila, Bluetooth, Lillypad), sensors, DC motor control, PCB assembling, hardware hacking, working knowledge of electrical engineering
- **Sound Reinforcement/Recording:** Digital/analog mixers, effects processors, dynamics processors, amplification, stage and studio microphone techniques, professional theater sound engineer, 2003-2004

CONDUCTING EXPERIENCE

- **Performances**
 - February 5, 2008. *Light at the end of the Tunnel* (chamber ensemble) by Fred Frith. Rehearsed and performed under the supervision of the composer
 - February 9, 2006. World premiere of *Coffin Hollow* (chamber ensemble) by J. Corey Knoll.
- **Study**
 - Spring 2007. Instrumental Conducting (MUSI 472) with Kate Tamarkin, Music Director of the Charlottesville and University Symphony Orchestra, University of Virginia
 - Fall 2005. Advanced Orchestral Conducting (MUSP 616) with Emily Freeman Brown, Director of orchestral activities, Bowling Green State University

LANGUAGES

- Native language, English
- Reading and writing skills in French

COMPLETE LIST OF WORKS AND PERFORMANCES

Study no. 1 for PAM and MADI (Poly-(tangent) Automatic (multi)-Monochord and (multi)-Mallet Automatic Drumming Instrument) 2008. (Co-written with EMMI members Troy Rogers and Scott Barton).

- Technosonics 2008 Virginia Center for Computer Music 20th anniversary tour:
 - Live Arts, Charlottesville, VA. November 14, 2008.
 - Muse Workspace, Richmond, VA. November 6, 2008.
 - Peter Norton Symphony Space Leonard Nimoy Thalia, New York, NY. Friday October 31, 2008
 - Delaware Center for Contemporary Arts, Wilmington, DE. October 30, 2008

- University of Delaware, Newark, DE. October 29, 2008

At the Crossing of Five Paths (flute, pre-recorded sounds and computer processing) 2008

- Pixilerations [v.5] part of FirstWorks Providence, University of Rhode Island Shepard Building Auditorium, Providence, RI. October 11, 2008.

Mystification (flute, clarinet, piano, viola, cello, computer processing) 2007

- Da Capo Chamber Players, Old Cabell Hall, Charlottesville, VA. January 17, 2008.

Run from Fear (flute, clarinet, piano, cello, double bass—revised version) 2007

- American Composers Alliance Festival of American Music 2008, Leonard Nimory Thalia at Peter Norton Symphony Space, New York, NY. June 5, 2008.
- Boston Modern Orchestra Project, commissioned by Bowdoin College for the opening of the Studzinski Recital Hall, Kanbar Auditorium, Bowdoin College, Brunswick, ME. November 10, 2007.

Run from Fear (flute, clarinet, piano, electric guitar, double bass version) 2006

- Now Ensemble, Garrett Hall, Charlottesville, VA, March 30, 2007

Neoga (electroacoustic music with video) 2005

- Third Practice Electroacoustic Music Festival, Camp Concert Hall, University of Richmond, Richmond, VA. October 20, 2007
- Seoul International Computer Music Festival, Seoul, Korea. November 23, 2006
- BEAST and the University of Birmingham New Music Ensemble, VIVID, Birmingham, UK. Spring 2006
- TechArts'06, IMMARTS, Northern Illinois University, DeKalb, IL. Spring 2006
- 15th Annual Florida Electroacoustic Music Festival, Gainesville, FL. Spring 2006
- Most Significant Bytes, Presser Recital Hall, Mount Union College, Alliance, OH. Fall 2005
- Imagine 2 festival, University of Memphis, Jay Etkin Gallery, Memphis, TN. Fall 2005

Poème Ligetique (5.1 channel electroacoustic music) 2005

- BGSU New Music Ensemble, Bowling Green State University, Bryan Recital Hall, Bowling Green, OH. Fall 2005

North of Boston (two poems by Robert Frost, soprano and guitar/cello) 2005

Gliding Through a Misty Phosphorescence (saxophone quartet) 2004

- Grupo Sax-Ensemble, Madrid, Spain, Auditorio Conde Duque, Madrid, Spain. October 14, 2006
- Selected and premiered by the Grupo Sax-Ensemble through their 1st Rostrum for Young Composers, Circulo de Bellas Artes, Sala Valle Inclan, Madrid, Spain. Performance will be broadcast on Radio Clásica (Radio Nacional de España). Fall 2005

Monophyletic (piano) 2004

Grow (electroacoustic music for video installation) 2003

- Presented at Ellen Kenney's solo art show, Visual Arts Center, Bowdoin College. Spring 2003

Incidental music for *In the Heart of America*, play by Naomi Wallace. (electroacoustic music) 2003

- Designed sound and composed incidental music. Performed Wish Theater, Bowdoin College. Spring 2003

Piano Quintet (piano and string quartet) 2003

- Presented as part of an honors project in music composition. Performed Gibson Hall, Bowdoin College. Spring 2003

Dinner Conversation (electroacoustic music) 2002

- Presented at mural opening, Visual Arts Center, Bowdoin College. Fall 2002

Septet (flute, oboe, clarinet, and string quartet) 2002

- Performed at the Fredrick Lowe Theater, New York University. Piece written as culminating project of 2002 Summer Composers Seminar

12 MIDI Experiments (electroacoustic music) 2002

- Presented as the culmination of an independent study in MIDI composition, Gibson Hall, Bowdoin College. Spring 2002

Reception Music (electroacoustic music, four loudspeakers, flute, and violin) 2001

- Presented as the culmination of an independent study in electronic music. Performed Drake Lobby, Memorial Hall, Bowdoin College. Performed as music to accompany reception following Fall dance show. Fall 2001

4 Modes of Love (small orchestra including harp, electric guitar, piano, harmonica, trumpet, tuba, percussion, contrabass) 2001

- Performed in composition class concert, Gibson Hall, Bowdoin College. Spring 2001