CURRICULUM VITAE

Clifton Callender Professor of Composition Co Editor-in-Chief, *Journal of Mathematics and Music* Associate Editor, *Perspectives of New Music* College of Music, Florida State University Tallahassee, Florida 32306-1180 850.644.7492 clifton.callender@fsu.edu cliftoncallender.com

Employment

- *Florida State University*, Professor of Composition, 2016 present; Associate Professor of Composition, 2008 2016; Assistant Professor 2002 2008. Responsibilities include composition lessons, orchestration, counterpoint and other theory courses, and serving as Artistic Director of the New Music Ensemble.
- Northern Illinois University, Assistant Professor of Theory and Composition, 2000 2002. Responsibilities included teaching first- and second-year theory and aural skills and composition lessons.

EDUCATION

- *The University of Chicago*, Illinois, Ph.D. in composition with a minor in theory, December 1999. Composition studies with Shulamit Ran, Andrew Imbrie, and Marta Ptaszynska.
- *The Peabody Institute of the Johns Hopkins University*, Baltimore, Maryland, 1993 1994. Studies in electronic and computer music composition with Geoff Wright and McGregor Boyle.
- *The Peabody Institute of the Johns Hopkins University*, Baltimore, Maryland, Master of Music in Composition, 1993. Composition studies with Jean Eichelberger Ivey.
- *King's College*, London, attended 1989 1990. Composition studies with Peter Dickenson.
- *Tulane University*, New Orleans, Louisiana, Bachelor of Fine Arts (summa cum laude), 1991. Composition studies with Barbara Jazwinski and piano studies with Faina Lushtak.

AWARDS AND FELLOWSHIPS

Artist-in-Residence Fellow, I-Park Foundation, Summer, 2015.

Committee on Faculty Research Support Summer Award, Florida State University, 2012.

David Kraehenbuehl Prize, *Journal of Music Theory*, "Continuous Harmonic Spaces," 2011.

- State of Florida, Individual Artist Grant, 2011.
- Fellow, Mannes Institute for Advanced Studies in Music Theory, 2009 Institute on Music and the Mind, Mannes College of Music.

Winner, fourpaws, 2008 Forecast Music Call for Scores.

Honorable Mention, *Chamber Concerto*, 2008 Millennium Chamber Players Call for Scores.

Second-Prize Winner, New Ariel Foundation Piano Composition Competition, 2007. Featured composer, Asolo Song Festival, 2007.

Committee on Faculty Research Support Summer Award, Florida State University, 2007.

- Fellow, Mannes Institute for Advanced Studies in Music Theory 2006 Institute on Chromaticism, Yale University, New Haven, Connecticut.
- Fellow, Mannes Institute for Advanced Studies in Music Theory 2003 Institute on Transformational Theory and Analysis, Mannes College of Music.
- First-Year Assistant Professor Summer Award, Florida State University, 2003.

Honorable Mention, Philadelphia Orchestra Centennial Composition Competition, *Visage*, 2000.

First Prize, National Association of Composers USA Young Composers Competition, *Luminous Signals*, 1999.

- Fellow, Composers Conference at Wellesley College, 1999.
- Fellow, Ernest Bloch Festival Composers' Symposium, 1999.
- Prize Winner, The Centennial Composition Competition, Northern Arizona University, for *Chamber Concerto*, 1999.

Whiting Dissertation-Year Fellowship, 1998 – 1999.

Visage selected for the Whitaker New Music Reading Sessions, 1998.

Arthur Komar Award for best student paper at the Music Theory Midwest Annual Conference, 1997.

First Prize, Piano Composition Competition, Chicago Union League Civic & Arts Foundation for *Etudes for Piano*, 1995.

Dolores Zohrab Liebmann Fellowship, 1995 – 1998.

Century Scholarship, The University of Chicago, 1994-1995.

Fellowship, Centre Acanthes Composition courses, Avignon, France, 1993.

Pi Kappa Lambda, 1993.

P. Bruce Blair Award in composition, Peabody Conservatory, 1993.

Prize Winner, The Virginia Dilelo Composition Competition, for *Etudes for Timpani*, 1991.

Tuition Scholarship/Graduate Assistantship, *Peabody Conservatory*, 1991 – 1993.

Outstanding Music Student, Tulane University, 1991.

Dean's Honor Scholarship, Tulane University, 1987 – 1991.

COMPOSITIONS

Visages, preludes for solo piano, in progress.

- Spira mirabilis: infinite tempo canons for player piano, in progress.
- gegenschein, for solo violin, commissioned by Piotr Szewczyk for Violin Futura II, 2009/2014.
- *Canonic Offerings*, for string quartet, invited for the 2013 Bridges International Conference on the Arts and Mathematics.
- Chopin, prelude for solo piano, 2010.
- elegy, for violin and piano, 2010.
- *Hungarian Jazz: Homage á György Ligeti*, for jazz combo: soprano/tenor saxophone, electric guitar, bass (electric or acoustic), and drums (optional), 2010. Invited work for the Bridges International Conference on the Arts and Mathematics.
- *Metamorphoses II*, for violin and piano, commissioned by the Florida State Music Teachers Association and the Hanna-Yang duo, 2009.
- *Reasons to Learne to Sing*, 2008, for mixed choir, commissioned by College Music Society for the Society's 50th Anniversary.

Metamorphoses, Canon a 3 for solo cello and computer-assisted delay or cello trio, 2007.

Point and Line to Plane, for piano, 2006.

tre balli, for alto saxophone, tenor saxophone and piano, commissioned by the Trio Bel Canto, 2005.

Patty, My Dear for piano solo, 2000.

chansons innocentes 1 and 2 for soprano and violin, 1999.

Luminous Signals for string quartet with click track, 1999.

Meditation for organ solo, 1999.

Visage (revised) for standard orchestra, 1997.

reflections on the nature of light for piano solo, 1997.

Cadenza for alto saxophone solo, 1996.

Chamber Concerto for eight players, 1996.

Etudes for Piano, 1995.

Canon for MIDI-controlled acoustic piano, 1994.

Visage for orchestra and eight female voices, 1993.

Les Couleurs Spectrales for two harps, 1992.

Chaconne for horn and marimba, 1992.

Etudes for Timpani, 1991.

Fantasia and Fugue for orchestra, 1991.

Two Studies for Piano, 1990.

The Pilgrim's Dance for string quartet, 1990

Spirit Celebration! for piano solo, 1989.

Three Movements for trumpet, horn, piano, and percussion, 1989.

String Quartet, 1988.

Selected Performances, Broadcasts, and Recordings

- Metamorphoses II recorded by Emily Hanna Crane and Hui-Ting Yang and released by Parma/Navona Records (Pendulum) in 2014.
- *Point and Line to Plane*, recorded by Jeffrey Jacob and released by New Ariel Records in 2010.
- *Patty, My Dear*, recorded by Jeri-Mae Astolfi as part of the SCI Performer's Series #2 and released by Capstone Records in 2006.
- *Point and Line to Plane*, recorded by Hui-Ting Yang. Score and recording published in *Musical Perspectives*, Spring 2009.
- *elegy*, John Donald Robb Composers' Symposium, University of New Mexico, March 26 29, 2017.

- *Canonic Offerings*, Florida State University Festival of New Music, February 2 4, 2017.
- Point and Line to Plane, Hui-Ting Yang Sichuan Normal University, May 21, 2015.
 Nanjing Normal University, May 25, 2015.
 Nanjing University of Art, May 28, 2015.
 Shandong University of Weihi, June 1, 2015.
 Guangzhou University, June 4, 2015.
- gegenschein, Piotr Szewczyk, Friday Musical, Jacksonville, FL, July 17, 2015.
- *Canonic Offerings*, T'ang Quartet, Yong Siew Toh Conservatory, Singapore, February 14, 2015.
- gegenschein, Florida State University Festival of New Music, Piotr Szewczyk, January 31, 2015.
- *Metamorphoses II*, Parma New Music Festival, Emily Hanna Crane and Hui-Ting Yang, Portsmouth, NH, August 15, 2014.
- Metamorphoses, Florida State University DIGITECH, Evan Jones, March 28, 2014.
- *Point and Line to Plane*, Hui-Ting Yang, Steinway Gallery, Birmingham, AL, December 12, 2013.
- *Reasons to Learne to Sing*, Colorado State University Choirs, ARIES Festival, Fort Collins, October 20, 2013.
- *Canonic Offerings*, Quinetique Quartet, Bridges International Conference on the Arts and Mathematics, Enschede, The Netherlands, July 27 31, 2013.
- *Metamorphoses II*, Violin Futura, Piotr Szewczyk, Weill Recital Hall, New York, May 6, 2013.
- Metamorphoses, Society of Composers, Inc. National Conference, Evan Jones, Ohio State University, Columbus, February 16, 2013.
- *elegy*, Florida State University Festival of New Music, Benjamin Sung and David Kalhous, Tallahassee, February 1, 2013.
- *Canon*, performed as part of the Conloninpurple installation by Trimpin at "Impossible Brilliance: The Music of Conlon Nancarrow," Southbank Centre, London, April 21 May, 2012.

- *Metamorphoses II*, Aura Contemporary Ensemble, University of Houston, February 19 and 20, 2012.
- Metamorphoses, Cherry Kim, Longy School of Music, Boston, February 13, 2012.
- *Point and Line to Plane*, Hui-Ting Yang, William Carey University, Hattiesburg, MS, January 19, 2012.
- *Metamorphoses*, Electroacoustic Barn Dance, Evan Jones, University of Mary Washington, Fredericksburg, VA, October 27 29, 2011.
- Metamorphoses, Boston New Music Initiative Concert Series, Cherry Kim, Northeastern University, October 1, 2011.
- *Point and Line to Plane*, Hui-Ting Yang, CMS International Conference, Seoul, Korea, July 5, 2011.
- Metamorphoses II, Emily Hanna-Crane and Hui-Ting Yang, CMS Southern Regional Conference, Rhodes College, Memphis, TN, February 24, 2011.
- Metamorphoses II, Emily Hanna-Crane and Hui-Ting Yang, Florida State University Festival of New Music, Tallahassee, January 28, 2011.
- Metamorphoses, Evan Jones, SEAMUS National Conference, Miami, FL, January 22, 2011.
- Metamorphoses II, Emily Hanna-Crane and Hui-Ting Yang, CMS National Conference, Minneapolis, MN, September 25, 2010.
- Special session on *Reasons to Learne to Sing*, CMS National Conference, Minneapolis, MN, September 24, 2010.
- Hungarian Jazz, Composer's Voice concert series, Rio de Janeiro, August 17, 2010.
- *Hungarian Jazz*, Bridges International Conference on the Arts and Mathematics, Pécs, Hungary, July 28, 2010.
- *Reasons to Learne to Sing*, Kevin Fenton, conductor, Florida State University, April 5–6, 2010.
- *Point and Line to Plane*, Scott Watkins, Composerfest Concert, Jacksonville University, February 7, 2010.
- Metamorphoses II, Fabian Lopez and John Salmon, SCI Region IV Conference, University of North Carolina, Greensboro, February 5, 2010.

fourpaws, Forecast Music concert series, New York, NY, December 4, 2009.

- *Metamorphoses II*, National Association of Composers, San Francisco Chapter, Composers Performance Ensemble Concert, Monika Gruber and Chin Beckman, November 14, 2009.
- Metamorphoses II, Florida State Music Teachers Association Annual Conference, Emily Hanna Crane and Hui-Ting Yang, June 21, 2009.
- tre balli, San Jose State University, CA, April 26, 2009.
- tre balli, Composers, Inc. concert series, San Francisco, March 10, 2009.
- *Metamorphoses*, Evan Jones, CMS Southern Regional Conference, University of Central Florida, Orlando, FL, February 26, 2009.
- Metamorphoses, Evan Jones, Spark Festival, Minneapolis, MN, February 19, 2009.
- *Metamorphoses*, Evan Jones, Florida State University Festival of New Music, Tallahassee, January 31, 2009.
- *Point and Line to Plane,* Hui-Ting Yang, College Music Society National Conference, Atlanta, GA, September 27, 2008.
- Metamorphoses, Evan Jones, SCI Region VI Conference, Sam Houston State University, Huntsville, TX, April 16-19, 2008.
- *Point and Line to Plane*, Chung-Ha Kim, Western Illinois University New Music Festival, March 4, 2008.
- *Point and Line to Plane*, Hui-Ting Yang, CMS Southern/South Central SuperRegional Conference, Lousiana State University, Baton Rouge, February 29, 2008.
- *Point and Line to Plane*, Hui-Ting Yang, SCI National Conference, Georgia State University, Atlanta, February 21, 2008.
- *relativity*, broadcast on FOLDOVER, WOBC 91.5 FM, Oberlin, Ohio, February 20, 2008.
- Point and Line to Plane, Hui-Ting Yang, Troy University, Alabama, February 3, 2008.
- Metamorphoses, Evan Jones, Electronic Music Midwest, Kansas City, October 11, 2007.
- *chansons innocentes*, Chris Swanson and Tad Hardin, Asolo Song Festival, Italy, June 2007.

- *Metamorphoses*, Evan Jones, Florida Electroacoustic Music Festival, University of Florida, Gainesville, April 12-14, 2007.
- *Point and Line to Plane*, Hui-Ting Yang, Florida State University Festival of New Music, Tallahassee, February 2, 2007.
- *Patty, My Dear*, Jeri-Mae Astolfi, SCI and CMS Joint National Conference, University of Texas at San Antonio, September 14-16, 2006.
- *chansons innocentes*, Chris Swanson, SCI and CMS Joint National Conference, University of Texas at San Antonio, September 14-16, 2006. (*fourpaws*)
- Patty, My Dear, Jeri-Mae Astolfi
 University of South Florida, Tampa, September 11, 2006.
 Florida State University, Tallahassee, September 9, 2006.
 Pensacola Junior College, Pensacola, Florida, September 8, 2006.
 Henderson State University, Arkadelphia, Arkansas, August 31, 2006.
 University of Arkansas, Little Rock, June 22, 2006.
 Henderson State University, Arkadelphia, Arkansas, June 19, 2006.
 Henderson State University, Arkadelphia, Arkansas, April 27, 2006.
- *tre balli*, Trio Bel Canto, First Biennial FSU Alumni Saxofest, Florida State University, Tallahassee, March 18, 2006.
- *Etudes for Piano*, Adrian Childs, Southeastern Composers League Annual Conference, Converse College, Spartanburg, South Carolina, March 17, 2006.
- *tre balli*, Trio Bel Canto, Biennial Conference of the North American Saxophone Alliance, University of Iowa, February 16, 2006.
- *tre balli*, Trio Bel Canto, Cardinal Saxophone Workshop, University of Louisville, July 14, 2005.
- *Canon*, Florida Electroacoustic Music Festival, University of Florida, Gainesville, April 8, 2005.
- *Canon*, SCI Region VI Conference, University of Texas at San Antonio, February 26, 2005.
- *tre balli*, Trio Bel Canto, Florida State University Festival of New Music, Tallahassee, February 2, 2005.

Cadenza, Patrick Meighan, Birmingham, AL, April 6, 2004.

Patty, My Dear, Hui-Ting Yang, Beyond the Pale, Tallahassee, April 4, 2004.

Cadenza, Patrick Meighan, Beyond the Pale, Tallahassee, April 4, 2004.

Patty, My Dear, Janette Suderth, SCL Conference, Milsaps College, March 27, 2004.

- *Canon*, Tenth International Electroacoustic Music Festival "Primavera la Habana," Havana, Cuba, March 20, 2004.
- *Patty, My Dear*, Jeri-Mae Astolfi, SCI National Conference, University of Central Oklahoma, March 6, 2004.
- Cadenza, SCI Region VI Conference, Arkansas State University, January 29, 2004.
- *Cadenza*, Jenny Lanier, Southeastern Composers' League Annual Conference, University of Georgia, March 6, 2003.
- *Patty, My Dear*, Jeri-Mae Astolfi, SCI Region VI Conference, Henderson State University, February 14, 2003.
- *reflections on the nature of light*, Donald Berman, Festival of New Music, Florida State University, February 1, 2003.
- Canon, Northern Illinois University, April 17, 2002.
- *Cadenza*, Christopher Blossom, 2002 Biennial Conference of the North American Saxophone Alliance, University of North Texas, March 6, 2002.
- *chansons innocentes*, Diane Ragains and Mathias Tacke, Northern Illinois University, February 19, 2002.
- Luminous Signals, iChamber, Arizona State University, February 3, 2002 (relativity).
- Patty, My Dear, William Koehler, Northern Illinois University, March 26, 2001.
- *reflections on the nature of light*, Eugene Gaub, SCI region V conference, October 2, 1999.
- Chamber Concerto, Composers Conference, Wellesley College, July 1999.
- chansons innocentes, Ernest Bloch Festival Composers' Symposium, July 1999.
- Luminous Signals, Pacifica Quartet, radio broadcast on National Public Radio's Performance Today (excerpt), June, 1999.
- *Luminous Signals*, Pacifica Quartet, Contemporary Chamber Players, The University of Chicago, May 9, 1999.

- *reflections on the nature of light*, Katia Kostova, ppIANISSIMO festival, Sofia, Bulgaria, April 3, 1999.
- Meditation, Gregg Punswick, Unitarian Church, Hyde Park, Chicago, March 6, 1999.
- *Cadenza*, Jeremy Justeson, Society for Composers, Inc. (SCI) National Student Conference, University of Texas at Austin, February 27, 1999.
- reflections on the nature of light, Amy Dissanayake
 Northwestern University, February 28, 1999.
 Depaul University, February 25, 1999.
 "Melomania" concert series, Benedictine College, February 4, 1999.
 Contemporary Chamber Players, the University of Chicago, May 1, 1998.
- Visage (revised), American Composers Orchestra, Whitaker New Music Reading Sessions, New York, May 19, 1998.
- *Canon*, Society for Electro-Acoustic Music in the United States (SEAMUS) National Conference, Dartmouth College, April 18, 1998.
- Cadenza, Russell Grazier, New Music Ensemble, The University of Chicago, February, 1998.
- *Etudes for Piano*, Adrian Childs, Chicago Union League Civic & Arts Foundation Award Ceremony, October 18, 1996.
- *Chamber Concerto*, Contemporary Chamber Players, The University of Chicago, May 16, 1996.
- *Etudes for Piano*, Adrian Childs, "Loop Dreams" concert series, The School for the Art Institute, Chicago, 1995.
- *Etudes for Piano*, Adrian Childs, New Music Ensemble, The University of Chicago, 1995.
- Les Couleurs Spectrales, Ruth and Sonja Inglefield, Fifth World Harp Congress, Copenhagen, Denmark, July 22, 1993.
- *Chaconne*, Peter Langren and Patricia Johnson, faculty recital series, Mandel Hall, Peabody Conservatory, Baltimore, MD, 1993.

PUBLICATIONS

"Geometry, Iterated Quantization, and Filtered Voice-Leading Spaces." *Mathematics and Computation in Music*. Springer Berlin Heidelberg, 2015.

"Performing the Irrational: Paul Usher's Arrangement of Nancarrow's Study No. 33, Canon $2:\sqrt{2}$," *Music Theory Online*, 20.1, 2014. Available at http://www.mtosmt.org/issues/mto.14.20.1/mto.14.20.1.callender.html.

An earlier version is published in Conlon Nancarrow Life and Music, Online Symposium. Available at http://conlonnancarrow.org/symposium/papers/callender/irrational.html.

"Sturmian Canons." *Mathematics and Computation in Music*. Springer Berlin Heidelberg, 2013.

"Conceptual and Experiential Representations of Tempo: Effects on Expressive Performance Comparisons," co-authored with Elaine Chew. *Mathematics and Computation in Music*. Springer Berlin Heidelberg, 2013.

"Continuous harmonic spaces," Journal of Music Theory 51.2, 2007 (published in 2009).

"Generalized voice-leading spaces," co-authored with Ian Quinn and Dmitri Tymoczko, *Science* 320, 2008.

"Voice-distance as a measure of similarity," in progress. Draft is available at http://music.fsu.edu/~ccallend/voiceleadingdistance.pdf

"Interactions of the lamento motif and jazz harmonies in György Ligeti's Arc en ciel," Intégral 21, 2007.

"Judgments of distance between trichords," co-authored with Nancy Rogers, *Proceedings* of the International Conference of Music Perception and Cognition, 2006. Available at http://www.escom-icmpc-2006.org/pdfs/577.pdf.

"Continuous transformations," *Music Theory Online*, 10.3, 2004. Available at http://mto.societymusictheory.org/issues/mto.04.10.3/mto.04.10.3.callender.pdf.

- "Formalized accelerando: An extension of rhythmic techniques in Nancarrow's acceleration canons," *Perspectives of New Music*, 39.1, 2001.
- "Voice-leading parsimony in the music of Alexander Scriabin," *Journal of Music Theory*, 42.2, 1998.

PRESENTATIONS

- "Ligeti's Combinatorial Tonality," Joint Mathematics Meeting of the American Mathematical Society and Mathematical Association of America, Atlanta, January 4 – 7, 2017.
- "The Tonal Extravagance of Large Pitch Sets," Society for Music Theory Annual Conference, Vancouver, Canada, November 3 – 6, 2016.
- "Infinite Rhythmic Tiling Canons," Bridges 2015: Mathematics, Music, Art, Culture, Architecture, University of Baltimore, July 29 – August 1, 2015.
- "Geometry, Iterated Quantization, and Filtered Voice-Leading Spaces," International Conference on Mathematics and Computation in Music, Queen Mary University of London, June 22 – 25, 2015.
- "Infinite Canons," Invited presentation for *Mathemusical Conversations*, Singapore, February 14, 2015.
- "Integrating Mathematics and Music," Invited presentation for the Interdisciplinary Studies Speaker Series, Nanyang Academy of Fine Arts, Singapore, February 17, 2015.
- "Aperiodic Canons, Hemiolas, and Tilings," Society for Music Theory Annual Conference, Charlotte, NC, October 31 – November 3, 2013.
- "Sturmian Canons," International Conference on Mathematics and Computation in Music, McGill University, Montreal, June 12 14, 2013.
- "Conceptual and Experiential Representations of Tempo: Effects on Expressive Performance Comparisons," co-authored with Elaine Chew, International Conference on Mathematics and Computation in Music, McGill University, Montreal, June 12 – 14, 2013.
- "Realizing Irrational Rhythms," Music Theory Southeast Conference, Appalachian State University, April 5 – 6, 2013.
- "Finding Continuity in Music Theory, Mathematics, and Composition," Eastman School of Music, February 8, 2013. Invited presentation.
- "Maximally Self-Similar Melodies and Canons with Infinite Solutions," Society for Music Theory and American Musicological Society Joint Annual Conference, New Orleans, Louisiana, November 1 – 4, 2012.
- "Infinitely variable tempo canons," Nancarrow in the 21st Century International Conference, Southbank Arts Centre / Trinity Laban Conservatoire of Music and

Dance, London, April 21 – 22, 2012.

- "Mind the Gap: Compositional and Theoretical Potentials of Continuous Musical Spaces," invited presentation at the Escola Superior de Música de Catalunya, Barcelona, April 19, 2012.
- *"Spira Mirabilis*, for player piano," American Mathematical Society National Meeting, New Orleans, LA, January, 2011. Invited presentation.
- "Crystallography and the structure of Z-related sets," co-authored with Rachel Hall, presented at the Society for Music Theory and American Musicological Society Joint Annual Conference, Nashville, Tennessee, November 6 – 9, 2008. (Clifton Callender presenting.)
- "Geometrical chord spaces," co-authored with Ian Quinn and Dmitri Tymoczko, presented as part of the special session "An introduction to geometrical music theory" at the Society for Music Theory Annual Conference, Baltimore, November 16, 2007. (Clifton Callender presenting.)
- "Generalized set theory," co-authored with Ian Quinn and Dmitri Tymoczko, presented as part of the special session "An introduction to geometrical music theory" at the Society for Music Theory Annual Conference, Baltimore, November 16, 2007. (Dmitri Tymoczko presenting.)
- Invited guest presentation on *Metamorphoses* and other works at the Peabody Conservatory Computer Music Studios, November 14, 2007.
- "On the *Z*-relation problem," coauthored with Rachel Hall, presented at the Music Theory Southeast Annual Conference, University of Georgia, March 3 – 4, 2007. (Clifton Callender presenting.)
- "Homometric sets and Z-related chords," coauthored with Rachel Hall, presented at the American Mathematical Society and Mathematical Association of American Joint National Conference, New Orleans, January 5 8, 2007. (Clifton Callender presenting.)
- Interview with co-author Nancy Rogers on our Society for Music Theory presentation "More than parsimonious voice leading: A perceptual study of trichordal distance," *Am steg*, 2007. A podcast of the interview is available at amsteg.org.
- "More than parsimonious voice leading: A perceptual study of trichordal distance," coauthored with Nancy Rogers, to be presented at the Society of Music Theory and American Musicological Society Joint Annual Conference, Los Angeles, November 2 5, 2006.

"Judgments of distance between trichords," co-authored with Nancy Rogers, to be

presented at the International Conference on Music Perception and Cognition, Bolgna, Italy, August 22 - 26, 2006. (Nancy Rogers presenting.)

- "Some thoughts on measuring voice-leading distance," presented at the Society for Music Theory Annual Conference, Boston, 2005. An earlier version also presented at the Music Theory Southeast Annual Conference, University of Miami, FL, March 5, 2005.
- "Generalized chord spaces," presented in conjunction with Ian Quinn and Dmitri Tymoczko at the John Clough Memorial Conference at the University of Chicago, July 8 – 10, 2005.
- "The lamento motif, jazz harmony, and transformational voice leading in Gyorgy Ligeti's *Arc-en-ciel*," Society for Music Theory Annual Conference, Seattle, 2004. Also presented at the Florida State University Music Theory Society Annual Conference, Tallahassee, FL, January 15, 2005.
- "A geometric model of continuous musical spaces," American Mathematical Society National Meeting, Phoenix, AZ, January 10, 2004. Invited presentation.
- "Continuous functions and musical spaces," American Mathematical Society Meeting, Baton Rouge, LA, March 15, 2003. Invited presentation.
- Invited paper, "Infinitesimal transformations," discussed at the Atonal Voice Leading Workshop, Joseph Straus, leader, Mannes Institute for Advanced Studies in Music Theory, June 21 24, 2003.
- Invited presentation, seminar on Musical Systems at the University of Chicago, May, 16, 2003.
- Invited guest presentation on my compositions at the University of Chicago, Department of Music, Colloquium Series, January 13, 2003.
- "Voice-leading distances and set-class spaces," Society for Music Theory Annual Conference, 2002.
- "Mental models of gradual transformations in music," Music Theory Midwest Annual Conference, 2000.
- "Voice-leading parsimony in the music of Alexander Scriabin," Society for Music Theory Annual Conference, 1997.

ARTISTIC DIRECTION OF THE FSU NEW MUSIC ENSEMBLE

Responsibilities

Artistic Direction of the FSU New Music Ensemble. Responsibilities include selecting repertoire (mostly drawn from very recent works by established and emerging composers), obtaining performers, scheduling rehearsals, chamber music coaching, and promotion of concerts.

Performances

New Music Ensemble Concert, Tallahassee, April 26, 2015.

Agustin Castilla-Avila Matthew Kaner Danny Clay John Thomas III Nomi Epstein Ingrid Stölzel Kevin Wilt	Im Dunkel (2013) Chants (2013) Ring Chant (2015) Lucidity (2015) For Eliza (2013) The More Things Change (2012) Groove Incubation (2013)
Kevin Wilt	Groove Incubation (2013)

New Music Ensemble Concert, Tallahassee, April 27, 2014.

Raven (2004)
Nachtleider (1978)
<i>Tumbao</i> (2005)
Sonata for Eb Clarinet and Piano (1999)
Notions (2014)
Gallery (2014)

New Music Ensemble Concert, Tallahassee, December 2, 2013.

Andy Akiho	to wALk Or ruN in wEst harlem (2008)
Sean Osborn	Bits and Pieces (2011)
Joshua Burel	Roanoke (2013)

Festival of New Music, Florida State University, February 1, 2013

HyeKyung Lee Travis Alford Donald Hagar Hiroya Miura Eric Lindsay VIM Breathing Room Missing Time Open Passage Town's Gonna Talk John Cage Festival, Florida State University, October 26 – 27, 2012.

John Cage	Piano Concerto
Nomi Epstein	Music for Seven Instruments and Voice
Morton Feldman	Three Clarinet, Cello and Piano

New Music Ensemble Concert, Tallahassee, April 1, 2012.

Lawrence Dillon	Sparkling in the Dark
Alexander Goehr	Manere
Zacharia Zubow	Hiking the Cascade Creek Trail
Nolan Stolz	Impressions of Mt. Charleston
Augusta Read Thomas	Rumi Settings
Sofia Gubaidulina	Quasi Hoquetus

College Music Society Southern Chapter Regional Conference, University of South Florida, Tampa, February 23, 2012.

Martin Gendelman	Blending Forces (first movement)
Mark Volker	Painted on the Firmament
Nolan Stolz	Impressions of Mt. Charleston
Joshua Keeling	Draconids
Zacharia Zubow	Hiking the Cascade Creek Trail

New Music Ensemble Concert, Tallahassee, November 30, 2011.

Don Freund	Louder Than Words
Jung Song	Shine
Joshua Keeling	Piano Quintet
Stephen Montague	Mira
Stephen Montague	Paramell VI

Festival of New Music, Florida State University, Tallahassee, January 28, 2011.

Pierce Gradone Lan-chee Lam Liviu Marinescu Robert Baker Carl Schimmel Two-Faced La defense Moto Perpetuo Valence II The Pismirist's Congeries New Music Ensemble Concert, Florida State University, Tallahassee, April 12, 2010.

Arvo Pärt	<i>Fratres</i> (version for violin and piano)
Sarah Gaskins	Novelette
Magnus Lindberg	Steamboat Bill Junior
Kaija Saariaho	Cendres
Pierre Jalbert	Visual Abstract

New Music Ensemble Concert, Florida State University, Tallahassee, November 22, 2009.

Fernando Benadon	In 3 Two
Sebastian Currier	Static
Shane McDonald	Litany

Festival of New Music, Florida State University, Tallahassee, January 30, 2009.Douglas Boyce102nd & AmsterdamChris ArrellNARCISSUS/echoMark KilstofteBallistic Etude 3.1David BiedenbenderStompMatthew Van BrinkSextet

SCI Student Chapter Concert, Florida State University, Tallahassee, April 21, 2008. Doron Kima Quintet

Small Worlds

CHASM New Music Festival, Florida State University, Tallahassee, February 2008. Joni Greene Ephemera

Festival of New Music, Florida State University, Tallahassee, February 2007.Matthew BurtnerSikuigvikAlexis BaconLullaby-FantasieMei-Fang LinL'image ReconstituéeAndrew RindfleischWhat Vibes!

New Music Ensemble Concert, Florida State University, Tallahassee, November 2005.

Jennifer Higdon

James Romig

Soo-Jin Cho Matthew Burtner Celestial Hymns Dash Golgotha Sikuigvik

Festival of New Music, Florida State University, Tallahassee, February 2005.	
Emily Doolittle	Four Pieces about Water
Laura Schwendinger	Celestial City
Melissa Mazzoli	Interruptions
Chichun Chi-sun Lee	Concerto for zheng and chamber orchestra
	Haiqiong Deng, zheng

New Music Ensemble Concert, John Anthony Lennon, guest composer, Florida State University, Tallahassee, April 2004.

John Anthony Lennon	Let it Rain
	Forbidden Dances
	Deus ex Machina
Anton von Webern	Cello Sonata
	Three Little Pieces, Op. 11
Daniel Herbert	Concertino

New Music Ensemble Concert, Florida State University, Tallahassee, November 2003.

Thomas McCullough	Fly!
Augusta Read Thomas	Angel Chant
Paul Yeon Lee	String Trio No. 1
John Adams	Road Movies

Festival of New Music, Shulamit Ran, special guest composer, Florida State University, Tallahassee, February 2003.

Dorothy Chang	Wind/Unwind
William Coble	Summer Music
Shulamit Ran	Mirage
Robert Fleisher	Quintet
Michael Timpson	Chasin' Bill

New Music Ensemble Concert, Florida State University, Tallahassee, October 2002.Joseph SchwantnerMusic of AmberGeorge CrumbVoice of the Whale

TEACHING EXPERIENCE

Florida State University, Associate Professor of Composition, 2008 – present; Assistant Professor, 2002 – 2008.

Graduate and undergraduate composition lessons.

Eighteenth-century counterpoint 1: Introduction to the principles of tonal counterpoint through a modified species approach, and analysis and composition of choral preludes and two-voice inventions.

Eighteenth-century counterpoint 2: Continuation of tonal counterpoint, focusing on the analysis and composition of three- and four-voice fugues.

Orchestration: Introduction to Instrumentation and Orchestration with an emphasis on in-class performances of transcription projects.

Advanced orchestration: Review of extended instrumental techniques followed by extensive orchestral style study accompanied by in-class performances of transcription projects.

Fugue: Graduate course focusing on the composition and analysis of fugues by Bach and other composers.

Doctoral seminars on the music of György Ligeti and Computational Methods in Music Research.

Northern Illinois University, Assistant Professor of Music Theory and Composition, 2000 – 2002.

Music 101: First-year music theory for music majors. Topics covered include scales, key signatures, intervals, rhythm and meter, triads and seventh chords, diatonic triads, normative diatonic progressions, and partwriting.

Music 102: First-year music theory for music majors. Topics covered include firstand second-inversion diatonic triads, diatonic seventh chords, non harmonic tones, first-, second-, and fourth-species counterpoint, and basic formal analysis.

Music 201: Second-year music theory for music majors. Topics covered include secondary dominants and leading-tone chords, modulatory techniques, Neopolitan and augmented sixth chords, modal mixture, enharmonic modulations, and advanced chromatic techniques.

Music 202: Second-year formal analysis for music majors. Topics include basic formal components, binary and ternary forms, imitative polyphony and fugue, theme and variations, sonata, and rondo and sonata rondo.

Music 103, 104, 203, 204: First- and second-year aural skills for music majors. Skills developed include the ability to sing, play, identify, distinguish, and dictate a wide variety of musical materials: scales, intervals, rhythms, triads and seventh chords, diatonic and chromatic harmonic functions, melodies, and all of these components in context—i.e. combined within brief excerpts from music literature. This course uses the movable *do* solfége system.

Graduate and undergraduate composition lessons.

The University of Chicago

Lecturer, Music 251, Theory and Analysis I, 1999. Topics covered include Neapolitan and augmented-sixth chords, modal mixture, enharmonic modulations, model composition, analysis of binary and ternary forms, sonata form and variants, and an introduction to meter and hypermeter.

Lecturer, Music 252, Theory and Analysis II, 1998. Topics covered include modal mixture, enharmonic modulations, third-relations and cycles, analysis of ninteenth-century repertoire, and an introduction to twentieth-century analysis.

Graduate Assistant, graduate-level course in twentieth-century analysis which focused on pitch-class set theory, 1997.

Graduate Assistant, general musicianship, 1995 – 1996.

The Peabody Conservatory

Graduate Assistant in Electronic and Computer Music, including introduction to computer music and the psychology of sound and music, 1993 – 1994.

Graduate Assistant in Theory, including harmony, linear analysis, form and analysis, and graduate and undergraduate counterpoint, 1991 – 1993.