

Stephen David Beck, Ph.D.

2015 Glendale Ave

Baton Rouge, LA 70808

H: (225) 343-0470 / W: (225) 578-2594 / C: (225) 223-0344

E-mail: sdbeck@lsu.edu

Curriculum Vitae

Education

Ph.D.	Music Composition & Theory Fulbright Fellowship	University of California, Los Angeles, 1988 <i>Institut de Recherche et Coordination Acoustique/Musique (IRCAM)</i> , 1985-86
M.A.	Music Composition & Theory	UCLA, 1983
B.A.	Music	UCLA, 1981

Employment

2003 – pres.	LSU Center for Computation and Technology (CCT) Director, CCT Laboratory for Creative Arts & Technologies Head, Cultural Computing Focus Area at CCT Co-director, <i>Red Stick International Animation Festival</i>
1988 – pres.	School of Music, Louisiana State University, Baton Rouge, LA Current Rank: Professor Received Tenure: 1994
1987 – 1988	Visiting Assistant Professor Department of Music, California State University, Long Beach

Publications & Recordings

Books, Chapters & Articles

- S. D. Beck, J. Patrick, B. Willkie “ICAST: Trials and Tribulations of Deploying Large Scale Computer-Controlled Speaker Arrays,” *Proceedings of the 2007 International Computer Music Conference*, November 2007, Copenhagen, Denmark
- I. Taylor, S. D. Beck, E. Al-Shakarchi “A Framework for Distributed Audio Rendering and Music Retrieval Computation,” Book Chapter for *Intelligent Music Information Systems: Tools and Methodologies*, Idea Group, Inc, Hershey, PA 2007
- S. D. Beck, J. Patrick, K. Malveaux, B. Willkie “The Immersive Computer-controlled Audio Sound Theater (ICAST): Experiments in multi-mode sound diffusion for electroacoustic music performance,” *Proceedings of the 2006 International Computer Music Conference*, November 2006, New Orleans, LA
- A. Hutanu, G. Allen, S. D. Beck, P. Holub, H. Kaiser, A. Kulshrestha, M. Liska, J. MacLaren, L. Matyska, R. Paruchuri, S. Prohaska, E. Seidel, B. Ullmer, S. Venkataraman “Distributed and collaborative visualization of large data sets using high-speed networks,” *Future Generation Computer Systems*, Elsevier Science Ltd. 2006

- S. D. Beck "Supercomputing Applications for Music", *CyberInfrastructure Workshop for the Humanities, Arts & Social Sciences Workshop*, San Diego Supercomputing Center, UC San Diego, July 2006
- S. D. Beck "Studio Report: The Laboratory for Creative Arts & Technologies," *Proceedings of the International Computer Music Conference*, Barcelona, Spain, September 2005
- S. D. Beck "Nemeaux: A Supercomputer for the Arts," *Proceedings of the Technology in Higher Education Forum (THE Forum)*, Louisiana State University, April 2005
- S. D. Beck "Supercomputing Applications in the Arts." *Social Factors, Humanities, Arts and Social Sciences: Old Challenges and New Disciplines for Grid Computing Workshop*, Global Grid Forum 11, June 10, 2004
- S. D. Beck "The Laboratory for Creative Arts & Technologies - A Convergence of Creativity, Technology and Human Expression." *TechSouth IT Convention and Summit*, May 11, 2004, University of Louisiana – Lafayette.
- S. D. Beck, I. Taylor "DART -- Distributed Audio Rendering using Triana," *SEAMUS 2005 National Conference*, Ball State University, Muncie IN, April 2004
- S. D. Beck "Acoustic Viability: A Design Aesthetic for Synthetic Musical Instruments" in *Making Music with Csound*, Boulanger, R. and B. Vercoe (editors). MIT Press, Cambridge, Massachusetts. January 2000
- S. D. Beck "The Virtual Instrument Paradigm: An Alternative Approach to Interactive Computer Music," *Computers & Mathematics with Applications*. Volume 32, Number 1, July 1996. Pergamon Press, Elsevier Science Ltd, Oxford, England
- S. D. Beck "Review of The Virtuoso in the Computer Age--III (CDCM Vol. 13)," *Computer Music Journal*, 18:4, MIT Press
- S. D. Beck "Review of Music by Charles Dodge", *Computer Music Journal*, 17:1, MIT Press
- S. D. Beck "Review of Music by Kaija Saariaho", *Computer Music Journal*, 16:4, MIT Press
- S. D. Beck "Strange Attractors - A Virtual Instrument for Acoustic Instruments" 1991 - *International Computer Music Conference Proceedings*, Montreal, 1991.

Music Publications

- The Wild Rumpus* (1998) for wind ensemble, G. Schirmer, New York, NY, 2001
- Eine kleine yiddische Spaß* (1998) for trumpet in C & organ, Syrah Music Publishing, Baton Rouge, LA, 2000
- Eine kleine yiddische Spaß* (1998) transcribed for trumpet in C, alto saxophone, or Bb instrument & piano, Syrah Music Publishing, Baton Rouge, LA, 2000
- Chasing Baby Bumblebees* (1997) for saxophone quartet, Syrah Music Publishing, 1998
- Concerto for Alto Saxophone and Orchestra* (1994) piano reduction, Syrah Music Publishing, 1998
- Etudes for Harp* (1993), Syrah Music Publishing, 1995

Recordings

Shadows of a Former Self, Masks - New American Trumpet Music, Rex Richardson, trumpet, Summit Records 423, released 2005

Sarahnade, Florida Electroacoustic Music Festival 10th Anniversary Compilation, EMF CD 031, released 2002

Eine kleine yiddische Spaß, recorded by Keith Benjamin, trumpet, Gothic Records, G49127, released 2001

Love's Not Time's Fool, recorded by Griffin Campbell, WX7. SEAMUS Compact Disc Series EAM-9402, released 1994

Improvisation on Strange Attractors v1.0b, William Ludwig, bassoon. SEAMUS Compact Disc Series EAM-9301, released 1993

Software

ICAST – the Immersive Computer-controlled Audio Sound Theatre, a Max/MSP, SuperCollider, and Java based client/server environment for complex, multi-modal sound diffusion over large loudspeaker arrays

Red Stick International Animation Festival Portal – a web portal for managing the call, receipt, processing, adjudication and scheduling of festival entries, written in PHP and RubyOnRails

ElectroAcousticMusicMonth portal – a data-driven web portal for calendaring and disseminating information regarding electroacoustic music events, sponsored by the Society for Electro-Acoustic Music in the United States

Csnd.app - A NEXTSTEP graphic user interface and file manager for MIT Csound music synthesis software (last version 2.0b)

Compositions (since 1995)

The Seven Deadly Sins (in process) for digital media

A little light sabre rattling (in process) for Wiimote controller and Kyma

The State-Times and Advocate March (2007) for orchestra

Study for *Unhinged* (2006) for digital media

Strange Bugs' Stranger (2005) for trumpet, saxophone and computer

Mousing Remix (2005) for wind ensemble

Songs for a Prelude (2002) for violin, clarinet and piano

Sound Design for *Alcestis* (2002) for electronic media

Protect Your Domain Name (2001) for digital media (collaboration with Michael Daugherty and Ava Haymon)

Millennium Bugs (1999-2000) for bassoon and Kyma digital audio workstation

La Forêt Vierge (The Forest Primeval) (1999) for harp solo

The Wild Rumpus (1998) for wind ensemble

Eine kleine yiddische Spaß (1998) for trumpet in C and organ
 transcriptions made for trumpet in C, alto saxophone, or Bb instrument and piano (1999)
Dressed Rehearsal redux (1998) - a musical happening for mixed ensemble
Echoes of Accidental Music (1998) - for harp and computer
Funnel Cloud (1997) music for digital media (collaboration with Michael Daugherty)
Shadows of a Former Self (1997) - for alto saxophone and computer
Chasing Baby Bumblebees (1997) - for saxophone quartet
 Incidental Music and Sound Design for *The Mermaid Who Couldn't Sing* (1997)
Excerpts of Accidental Music (1997) for piano and interactive computer
Sarahmade (After Brahms) (1997) for tape alone
Don't Try This At Home (1996) for dance

Recent Grants, Contracts & Commissions (since 1995)

- 2007 City of Baton Rouge, Baton Rouge Area Chamber, Baton Rouge Area Foundation – Support funding for the Capital Area Digital Industries Consortium, \$1,500,000 (over five years)
 NSF – *National Dissemination of HPC Introductory Education through Multimedia*, \$250,000. Thomas Sterling (PI), Stephen David Beck (Co-PI), Amy Apon (Co-PI)
- 2006 City of Baton Rouge – Support funding for the *Red Stick International Animation Festival*, \$50,000
 Baton Rouge Area Foundation – Support funding for the *Red Stick International Animation Festival*, \$50,000
 Pennington Family Foundation – Support funding for the *Red Stick International Animation Festival*, \$25,000
 Baton Rouge Credit Bureau Foundation – Support funding for the *Red Stick International Animation Festival*, \$25,000
- 2005 NSF MRI - *Development of "Viz Tangibles" and "VizNet": Instrumentation for Interactive Visualization, Simulation and Collaboration*, \$397,121. B. Ullmer (PI), S. D. Beck, E. Seidel, S. Iyengar (Co-PIs). NSF MRI Award #:CNS-0521559. 2005-2008
 LSU Student Technology Fee - *A Media & Technology-Rich Classroom for Computational Arts & Related Disciplines*, \$82,768. S. D. Beck (PI).
Red Stick International Animation Festival - Public Sector Support, \$15,000. S. Simmons & S. D. Beck (PIs). LA Division of the Arts
Red Stick International Animation Festival - Public Sector Support, \$9,000. S. Simmons & S. D. Beck (PIs). LA Division of Culture, Recreation & Tourism
 Commission: *The State Times & Advocate March*, \$5,000. Funded by Douglas Manship, The Advocate.
- 2004 Louisiana Board of Regents Grant – *Music and Art as Digital Media (MADmedia) – Enhancements to digital media creation at the MADstudio*, \$114,420

- 2002 Commission from Southeastern Conference Band Directors Association, for *Mousing Remix*.
Fall 2004
- 2001 Commission from Laura Lindsey and Manship School of Mass Communication for *Protect Your Domain Name*
Louisiana Board of Regents Grant – *The MADserver*, \$61,020. Central digital media server and related equipment.
- 2000 Commission from the Vehrder Trio for *Songs for a Prelude*.
- 1999 LSU Student Technology Fee Grant for new general purpose School of Music Student Computer Lab (\$41,000)
Commission from bassonist William Ludwig for piece for bassoon and computer (*Millenium Bugs*). Premiered at International Double Reed Society Meeting, Madison, WI 1999
- 1998 Louisiana Board of Regents Grant - *The MADnet (Music & Art Digital Network)*, \$80,850.
High speed network and server for digital arts instruction
Louisiana Board of Regents Grant - *Music Composition in the Age of Computers*, \$98,900.
General support for Electroacoustic Music Studios.
- 1997 Commission from Keith Benjamin for work for trumpet and organ, (*Eine kleine yiddische Spaß*) to be recorded and released on Compact Disc.
Commission from Frank Wickes for work for wind ensemble (*The Wild Rumpus*). Premiered at CBDNA Biennial Conference, 1998.
- 1996 Commission from American Harp Society for work for harp and computer (*Echoes of Accidental Music*). Premiered American Harp Society National Conference, 1998.
Commission from *Playmakers of Baton Rouge*, for incidental music to new children's play (*The Mermaid Who Couldn't Sing*). Premiered 1997.
- 1995 Louisiana Board of Regents Grant - *Music Composition in the Age of Computers - The Computer Music Teaching Laboratory* \$85,860
Louisiana Board of Regents Grant - *The Music & Art Digital Studio - A Virtual Environment for Collaboration in the Digital Arts* \$35,000

Selected Prizes, Honors, and Awards

- 2007 Guest Lecturer, University of Oregon, School of Music
- 2005 Guest Lecturer, University of Oregon, School of Music
- 2002 Guest Lecturer, University of Illinois, School of Music
- 2000 Lecturer, Anderson Consulting Digital Arts Lecture Series, University of Florida

- Guest Composer, 2000 Contemporary Music Festival, Adams State College, CO
- 1999 Winner, 1999 Young American Band Competition, for *The Wild Rumpus*
Animation Award, 11th Annual Louisiana Video Shorts Festival, New Orleans, LA for *Funnel Cloud*
- 1997 Guest Composer, SUNY Stony Brook, NY
- 1993 Artist-in-Residence, University of Missouri-Kansas City
- 1989 Visiting Composer-in-Residence, NEA/CalArts Electro-Acoustic Music Studios Residency Program, California Institute of the Arts, CA
Guest Composer, Shore Festival of Classics, NJ
- 1985 Fulbright/Annette Kade Fellowship for study in France (IRCAM)
- 1984 BMI Award to Young Composers for *Cantata Valentine*
Boulez Fellowship, UCLA/Los Angeles Philharmonic

Recent Performances (since 1997)

The State-Times and Advocate March

2007 Baton Rouge Symphony Orchestra

Study for *Unhinged*

2007 SEAMUS 2007 National Conference
LSU Music Spectacular

2006 High Voltage: Cinema for the Ears, Baton Rouge, LA

Strange Bugs' Stranger

2005 University of Oregon, Eugene OR
Louisiana State University, Baton Rouge, LA

Mousing Remix

2005 Louisiana State University, Baton Rouge, LA

Millennium Bugs

2002 University of Illinois, Urbana, IL

2001 Florida Electroacoustic Music Festival, Gainesville, FL
SEAMUS 2001 National Conference, Baton Rouge, LA

2000 University of Florida, FL
Adams State College, CO

1999 International Double Reed Society 1999 Meeting, Madison, WI

Protect Your Domain Name

- 2004 International Computer Music Conference, University of Miami, FL
- 2003 SCI Regional Conference, Jonesboro, AR
- 2002 SEAMUS 2002 National Conference, Tempe, AZ

Eine kleine yiddische Spaß

- 2002 University of Illinois, Urbana, IL
- 2000 North American Saxophone Alliance National Conference, Tuscon, AZ
Adams State College, CO
Louisiana State University, LA

The Wild Rumpus

- 2000 University of Illinois, Urbana, IL
- 1999 University of Georgia, Athens, GA
Concert Band Directors National Association Biennial, Austin, TX
Louisiana State University, LA

Sarabnade (After Brahms)

- 2000 SEAMUS National Conference, Denton, TX
9th Florida Electroacoustic Music Festival, Gainesville, FL
- 1999 NWEAMO Festival of Electro-Acoustic Music, Portland, OR
- 1997 EuCuE, Concordia University, Montreal, Quebec
Bourges Festival Internationale de Musique Electroacoustique
Vienna Elektronische Frühling, Austria

Concerto for Alto Saxophone & Orchestra

- 2000 Louisiana State University, LA
- 1998 North American Saxophone Alliance, Evanston, IL

Shadows of a Former Self

- 2002 University of Illinois, Urbana, IL
- 2000 Adams State College, CO
- 1998 SUNY Stony Brook, NY
- 1997 Louisiana State University, LA

Chasing Baby Bumblebees

- 1999 Southern Regional Saxophone Conference, Atlanta, GA
- 1998 North American Saxophone Alliance, Evanston, IL
Louisiana State University, LA

La Forêt Vierge

2000 Baton Rouge Gallery, LA
1999 Loyola University, New Orleans, LA

Meditations on Hiroshima

2000 Adams State College, CO
1997 Louisiana State University, LA

Echoes of Accidental Music

1999 American Harp Society National Meeting, LA

Funnel Cloud

2003 SCI Regional Conference, Jonesboro, AR
1999 Louisiana Video Shorts Festival, New Orleans, LA
1998 Big Muddy Film Festival, Carbondale, IL
Southeastern Composers Form, Charlotte, NC

Professional Associations

- Humanities, Arts and Social Science Research Group (HASS-RG) of the Open Grid Forum
Co-chair
- Humanities, Arts, Science, and Technology Advanced Collaboratory (HASTAC)
Member
- Society for Electro-Acoustic Music in the United States
Member *ex officio*, Past President (1996-2000),
Director of Conferences (2006-pres)
Board Member since 1988
- International Computer Music Association
Regional Director - North America (2005 – pres)
Music Coordinator (2006 – pres)
Member
- American Society of Composers, Authors & Publishers (ASCAP)
Member