

BENJAMIN O'BRIEN, PhD

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EDUCATION

- Master of Engineering** in Acoustiques, Aix-Marseille Université, Marseille, France Sep. 2016 - 2017
(«Master 2 - Mécanique, Physique et Ingénierie: spécialité recherche acoustique»)
Thesis Title: Real-time sonification of golf putting swing : Implication for learning
(«Sonification en temps réel du geste de putting au golf: Implication pour l'apprentissage»)
Thesis Jury: Richard Kronland-Martinet, Mitsuko Aramaki, Cédric Maury
- PhD** in Music Composition, University of Florida, Gainesville, FL Fall 2010 - Summer 2015
Thesis Title: *A Theory on Musical Translation*
Dissertation Committee: Paul Koonce (chair), Paul Richards, Larry Crook, Jack Stenner
- Master of Arts** in Music Composition, Mills College, Oakland, CA Fall 2007 - Spring 2009
Thesis Title: *The Compositional Symbiosis of Certainty and Chance*
Thesis Committee: David Bernstein (chair), Fred Frith, Roscoe Mitchell
- Bachelor of Arts** in Mathematics, University of Virginia, Charlottesville, VA Fall 2002 - Spring 2006
Study Abroad, University of Edinburgh, Scotland, UK (Fall 2004 - Spring 2005)

COMPUTER SKILLS

Programming Languages : C, Matlab, Python, Java, Unix/Bash, HTML/CSS
Audio/visual programming languages : Max/MSP/Jitter, SuperCollider, Pure Data, Processing
Digital Audio Editing / Workstations: Audacity, Cubase, Logic, ProTools
Engraving: Lilypond, Finale, L^AT_EX
Operating Systems: Linux, OSX, Windows

AWARDS & HONORS

- SIME 2017 International Electroacoustic Music Composition Finalist, Lille Apr. 2017
Phil Winsor Electroacoustic Music Young Composers Award Finalist, Workshop on Computer Music & Audio
Technology, Taoyuan, Taiwan Dec. 2016, 2012
International Music Residency Fellowship, OMI International Arts Center, Ghent, NY Aug. 2016
Mutis / Signal Festival Commission, Tigrelab, Barcelona Jul. 2016
Tempting Failure Finalist, London Mar. 2016
International Audio Artist Finalist, Radical dB Festival, Zaragoza Sep. 2015
College of Fine Arts Juried Exhibition School of Music Award, University of Florida Feb. 2014, 2013
Elizabeth Mills Crothers Award for Outstanding Composition, Mills College May 2009

SCHOLARSHIPS

- Graduate Teaching Assistantship, University of Florida (\$13,000 annual) Fall 2014 - Spring 2015
Alumni Doctoral Fellowship, University of Florida (\$16,000 annual) Fall 2010 - Spring 2014
Graduate Music Assistantship and Stipend, Mills College (\$10,000 annual) Fall 2008 - Spring 2009
Graduate Music Alumnae Scholarship, Mills College (\$10,000 annual) Fall 2007 - Spring 2008
International Studies Office Scholarship, University of Virginia (Tuition Waiver) Fall 2004 - Spring 2005

RESIDENCIES

- OMI International Arts Center, Ghent, NY Aug. 2016
Department of Philosophy, Sociology, Pedagogy, & Applied Psychology, University of Padova Mar. - Jun. 2016
Laboratoire Musique et Informatique de Marseille, Marseille Sep. 2015 - Sep. 2016
Composer-in-residence (with *Glitch Lich*), Department of Performance Studies, Texas A&M University Oct. 2013

RESEARCH PUBLICATIONS

"Sound Design for Golf Putting Experiments," book chapter, CMMR 2017 Post-Proceedings, Lecture Notes in
Computer Science : Springer Publishing (forthcoming)

"From Instrument to Controller," Paper in *SEAMUS Journal* 2017 (2), Los Angeles: Society of Electroacoustic Music in the United States (forthcoming)

"Inscribing Sound Forms," Paper in the *Proceedings of the Journées d'Informatique Musicale*, Albi, France: Centre National de Création Musicale d'Albi-Tarn (Apr. 2016)

"Sample Sharing: Virtual Laptop Ensemble Communities," Book chapter in *The Oxford Handbook of Music and Virtuality*, eds. Shara Rambarran and Sheila Whiteley. New York: Oxford University Press (Jan. 2016)

"Lost in Transformation: Composer as Translator," Article in online journal *eContact!* 16.3 (Dec. 2014)

C. Ingraham, Ch. McKinney, Cu. McKinney, **B. O'Brien**. "Glitch Lich: Evolution of an Intercontinental Network Band," Paper in the *Proceedings of the Symposium on Laptop Ensembles and Orchestras*, Baton Rouge: Louisiana State University (Apr. 2012)

T. Garrison, A. Neal, **B. O'Brien**, S. Peuquet. "FLIP: Idealism and Failure in Improvisatory Laptop Ensemble Performance," Paper in the *Proceedings of the Symposium on Laptop Ensembles and Orchestras*, Baton Rouge: Louisiana State University (Apr. 2012)

RECENT RESEARCH PRESENTATIONS

M. Bieńkiewicz, **B. O'Brien**, C. Bourdin. "The pitfalls of being a COPYCAT: Learning golf putting through acoustic and visual guidance", International Symposium on Computer Music Multidisciplinary Research, Porto, Portugal (Sep. 2017)

"Oxford Handbook of Music & Virtuality" Book Panel, Art of Record Production Conference, Aalborg University (Dec. 2016)

«L'inspiration pour *Piano Roll*»

Videodrome2, Marseille (Nov. 2016) * Conservatoire de Musique d'Apt-Luberon (Oct. 2016)

"Composing with SuperCollider"

OMI International Arts Center, Ghent, NY (Aug. 2016) * The Bridge PAI, Charlottesville, VA (Jul. 2016)

"From Instrument to Controller," 4e Journée des Jeunes Chercheurs du GREAM, Strasbourg (Mar. 2016)

"Shaping Samples with SuperCollider Workshop," Conservatoire de Strasbourg (Mar. 2016)

"A Theory on Musical Translation," 10th Annual Conference of the Social Sciences, University of Florida (Mar. 2015)

"Lost in Transformation: Composer as Translator"

Society for Electro-Acoustic Music in the United States Conference, Wesleyan University (Mar. 2014) * Toronto International Electroacoustic Symposium, Toronto (August 2013)

"Glich Lich: Works for Transcontinental Laptop Quartet," Mills College (Mar. 2013)

PROFESSIONAL SERVICE

Research engineer, Institute for Movement Sciences, Aix-Marseille Université Oct. 2017 - Present
Develop research, experimentation, and analysis on sonification of the golf putting and swing * Extensive use of Max/MSP, Matlab (software) and Codamotion, Qualysis (monitoring system)

Conference Adjudicator

Society of Electroacoustic Music in the United States Conference (Oct. 2017, Dec. 2015) * International Symposium on Computer Music Multidisciplinary Research (May 2017) * International Conference on Auditory Display (Apr. 2017) * New York City Electroacoustic Music Festival (Dec. 2016, 2015) * Society of Composers Inc. National Conference (Apr. 2015) * SuperCollider Symposium (Nov. 2012) * Network Music Festival (Nov. 2012)

Doctoral Fellow, University of Florida

Fall 2010 - Spring 2014

Supervise the setup and operation of a 8-16 speaker diffusion and sound reinforcement system for concerts *

Maintain the Florida Electroacoustic Music Studio and department computer lab * Webmaster for the University of

Florida Music Composition department website

Student Officer, University of Florida

Treasurer, Fine Arts College (FAC) Council (Fall 2012 - Spring 2013) * President & Treasurer, Sonic Computing Organization (Fall 2010 - Spring 2014)

Graduate Assistant, Mills College

Fall 2008 - Spring 2009

Coordinate with performers, sound and light technicians, and volunteers prior to and during performances * Stage manage notable productions (Ardetti String Quartet, Pauline Oliveros, Terry Riley)

TEACHING EXPERIENCE

Sound Design & English Teacher, Les ateliers de l'Image et du Son, Marseille

December 2016 - Present

English Teacher, Écoles Privées Internationales de Marseille

March - October 2016

Graduate Teaching Assistant, University of Florida

* *What is the Good Life*, Humanities department

Fall 2014 - Spring 2015

* *Music Theory (I-IV)*, Music department

Fall 2012 - Spring 2014

* *How Music Works*, Music department

Summer 2012

* *Music Theory in a Box*, Music department

Summer 2011

NOTABLE WORKS AND PERFORMANCES

The Loop for fixed media & video mapping (2016)

Universidade Estadual do Paraná, Brasil (Aug. 2017) * Workshop on Computer Music and Audio Technology,

Taoyuan, Taiwan (Dec. 2016) * Signal Festival, Prague (Oct. 2016)

Séquence et Vitesse for interactive audio and video (2016)

Embobineuse, Marseille (Mar. 2017) * Cité de la Musique, Marseille (Dec. 2016)

Piano Roll for vidéomusique (2016)

Diffrazioni Multimedia Festival, Florence (Nov. 2016) * Festival Ecos Urbanos, Mexico City (Nov. 2016) * Arcade,

Aix-en-Provence (May-Jul. 2016) * Cité de la Musique, Marseille (Apr. 2016)

embed (live) for electric guitar & interactive electronics (2015)

Data, Marseille (Sep. 2016) * Radical dB Festival, Zaragoza (Sep. 2015)

along the eaves for fixed media (2015)

Festival Mixtur, Barcelona (Apr. 2018) * Festival Ecos Urbanos, Mexico City (Nov. 2016) * Malaysia Music

Technology Festival, Kuala Lumpur, Malaysia (Oct. 2016) * Sonic Environments, Brisbane (Jul. 2016) * Art &

Science Days, Bourges (Jun. 2016) * Muestra Internacional de Música Electroacústica, Mexico City (Dec. 2015) *

Electroacoustic Music Festival, Rome (Oct. 2015) * International Computer Music Conference, University of North

Texas (Oct. 2015) * Root Signals Electronic Music Festival, Jacksonville University (Sep. 2015) * L'Autre Musique

Laboratoire, Paris (Mar. 2015)

BabyBirdBeat for fixed media (2013)

Art & Science Days, Bourges (May 2014) * Festival Música Viva, Lisbon (Dec. 2013)

OSCines for fixed media (2013)

Electroacoustic Music Festival, Rome (Oct. 2016) * EviMus Festival, Saarbrücken (Nov. 2015) * Brooklyn Acoustic

Ecology Festival (Apr. 2015) * New Horizons Music Festival, Trueman State University (Oct. 2014) * Sweet

Thunder Festival of Electro-Acoustic Music, San Francisco (Apr. 2014) * Slingshot Athens Music & Arts Festival,

Athens, GA (Mar. 2014) * SEAMUS National Conference, Wesleyan University (Mar. 2014) * Workshop on

Computer Music and Audio Technology, Taoyuan, Taiwan (Dec. 2013) * FEaST Festival, Florida International

University (Nov. 2013) * Symposium on Acoustic Ecology, University of Kent (Nov. 2013) * International Computer

Music Conference, Perth (Aug. 2013) * Toronto International Electroacoustic Symposium, Toronto (Aug. 2013)

La Langue Maternelle for fixed media (2012)

Festival Silence, Lecce (May 2013) * SuperCollider Symposium, University of Colorado (May 2013) * SEAMUS

Conference, McNally Smith College of Music (Apr. 2013) * SCI National Conference, Lewis College (Oct. 2012)

Densité for fixed media (2012)

Undæ #116, Madrid (Mar. 2016) * NYCEMF (Apr. 2013) * Audiograft, Oxford Brookes University, UK (Feb. 2013) * SCI National Conference, The Ohio State University (Feb. 2013) * Workshop on Computer Music and Audio Technology, National Taiwan University (Dec. 2012) * Colloqui di Informatica Musicale, Udine (Nov. 2012) * Electroacoustic Barn Dance, Mary Washington University (Nov. 2012) * International Computer Music Conference, Ljubljana (Sep. 2012)

Diptiq for fixed media (2010)

International Symposium on Electronic Art, Sydney (Jun. 2013) * NoiseFloor Festival, Staffordshire, UK (May 2013) * SCI Region VI Conference, West Texas A & M University (Oct. 2012) * Linux Audio Conference, Stanford University (Apr. 2012) * BYTE Gallery, Transylvania University (Jun. 2011) * SEAMUS Conference, University of Miami (Jan. 2011)

all two clarinet for Bb/bass clarinet & interactive electronics (2009)

International Computer Music Conference, University of Huddersfield (Sep. 2011) * Electronic Music Studies Network Conference, NYC (Jun. 2011) * Universitat Pompeu Fabra, Barcelona (Nov. 2010)

cila or *cilq 1* for fixed media (2007)

Workshop on Computer Music and Audio Technology, Kainan University, Taoyuan, Taiwan (Dec. 2016) * FrammentAzioni, Città di Udine, Udine (Oct. 2008) * 60 x 60 Pacific Rim Mix, Happy, New Zealand (Sep. 2008) * Recombinant Media Labs, San Francisco (Dec. 2007)

NOTABLE PERFORMANCE EXPERIENCE

Solo / Ensemble Performer, guitar and/or computer

La Friche Belle de Mai, Marseille (Jul. 2016) * Groupe de Musique expérimentale de Marseille, Marseille (Jun. 2016) * Bridge PAI, Charlottesville, VA (Jul. 2010) * Luggage Store Gallery, San Francisco (Jan. 2010) * Free-Form Mash Up, Princeton University (Nov. 2009) * Works by Fred Frith, New Langton Arts, San Francisco (Feb. 2009) * Performance with Keith Rowe, Mills College (Nov. 2008) * Roscoe Mitchell's *Nonaah* for electric guitar quartet (**World Premiere**), Mills College (Oct. 2008)

Sound Designer

Mutis audiovisual projection by Tigrelab (ES), premiere at the Signal Festival, Prague (Oct. 2016) * *The Flesh* film by Sam Barnett, premiere at the Brooklyn International Film Festival, New York (Jun. 2010) * *All's Fair* theatre work by Antistrophe Ensemble, premiere at the Exit Theater, San Francisco (Aug. 2009)

Glitch Lich, transcontinental network laptop quartet

US Consulate, Shanghai (Dec. 2013) * SuperCollider Symposium, University of Colorado (May 2013) * live.code.festival, Karlsruhe (Apr. 2013) * International Computer Music Conference, Ljubljana (Sep. 2012) * Network Music Festival, Birmingham, UK (Jan. 2012)

RECORDINGS

Afternoon in the Galapagos, Digital download (track). Net label: sonospace (UK) (Jan. 2017)

Densité, Digital download (track). Net label: UNDÆ! Radio (ES) (Sep. 2016)

For In-Between Times, Digital download (album). Net label: naucleshg (May 2016)

Society of Electro-Acoustic Music in the United States, Digital download (track). Torrence: SEAMUS

* *eaves*, Electro-Acoustic Miniatures 2015 *Sonic Haikus* (Apr. 2016)

* *Six4 for Eight Spaces*, Electro-Acoustic Miniatures 2012 *Re-Caged* (Jan. 2013)

cila, FrammentAzioni, DVD (track). Udine: Taukay Edizioni Musicali (Oct. 2008)

PROFESSIONAL AFFILIATIONS

Marseille LABO Band

Spring 2017 - Present

Laboratoire Musique et Informatique de Marseille

Spring 2016 - Present

International Computer Music Association (ICMA)

Spring 2012 - Present

Society for Electro-Acoustic Music in the United States (SEAMUS)

Fall 2010 - Present