

## BENJAMIN O'BRIEN, PhD

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### EDUCATION

- Master of Engineering** in Acoustiques, Aix-Marseille Université Fall 2016 - Present  
Thesis Title : Real-time sonification of golf putting swing : Implication for learning  
Supervisors : Christophe Bourdin, Lionel Bringoux, Richard Kronland-Martinet
- 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, Java, HTML, Max/MSP, Matlab, Python, Processing, SuperCollider, Unix/Bash  
Digital Audio Editing / Workstations: Audacity, Cubase, Logic, ProTools  
Engraving: Lilypond, Finale, L<sup>A</sup>T<sub>E</sub>X  
Operating Systems: Linux, OSX, Windows

### AWARDS & HONORS

- SIME 2017 International Electroacoustic Music Composition Finalist, Lille Apr. 2017  
Phil Winsor Electroacoustic Music Young Composers Award, 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

### 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

- "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)

### RESEARCH PRESENTATIONS

"Sound in practice: Auditory guidance and feedback in the context of motor learning and motor adaptation" Panel Discussion, 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," 10<sup>th</sup> Annual Conference of the Social Sciences, University of Florida (Mar. 2015)

"A Few Words on *cadenceStudie*," Midwest Graduate Music Consortium, University of Wisconsin (Apr. 2014)

"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)

### NOTABLE WORKS AND PERFORMANCES

*palms haze* for vidéomusique - Sound : Benjamin O'Brien; Image : Sam Barnett (2017)

Art & Science Days, Bourges (Jun. 2017) \* Arcade, Aix-en-Provence (Apr. 2017)

*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)

*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) \* BulldogBytes Concert, South Carolina State University (Mar. 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)

*WT0: Feedback* for interactive electronics (2009)

Free-Form Mash Up, Princeton University (Nov. 2009) \* Festival Música Viva, Lisbon (Sep. 2009)

*i.v.* for voice, flute, trumpet, saxophone, electric guitar, piano, contrabass, & percussion (2009)

Signal Flow Music Festival, Mills College (Mar. 2009)

*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)

### 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

### PROFESSIONAL SERVICE

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)	

Studio Assistant, Crystalphonic Sound Studio, Charlottesville, VA	Spring 2006
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### TEACHING EXPERIENCE

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	
* <i>What is the Good Life</i> , Humanities department	Fall 2014 - Spring 2015
* <i>Music Theory (I-IV)</i> , Music department	Fall 2012 - Spring 2014
* <i>How Music Works</i> , Music department	Summer 2012
* <i>Music Theory in a Box</i> , Music department	Summer 2011
Mathematics Tutor, Champion Tutoring, Charlottesville, VA	Fall 2006 - Fall 2007
Substitute Teacher (mathematics / science), Albermarle County, VA	Fall 2006 - Spring 2007

### 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