

# John Burnett

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<http://johncburnett.com> • San Diego, CA

## Education

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<b>University of California, San Diego, La Jolla, CA</b> Doctor of Philosophy in Music, anticipated 2021 Emphasis in Music Composition and Computer Music	2018 – Present
<b>University of California, San Diego, La Jolla, CA</b> Master of Arts in Music Emphasis in Music Composition and Computer Music	2016 – 2019
<b>Oberlin Conservatory, Oberlin, OH</b> Bachelor of Music Major in Music Composition Minor in Technology in Music and Related Arts (TIMARA) Conservatory Dean's Scholar, Lucy L. Lewis Scholar	2012 – 2016

## Advisors

Katharina Rosenberger, UC San Diego	2017 – Present
Shahrokh Yadegari, UC San Diego	2017 – Present
Aaron Helgeson, Oberlin Conservatory	2014 – 2016
Josh Levine, Oberlin Conservatory	2012 – 2014

## Additional Studies

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<b>Computer Science at Oberlin College</b> Courses in object-oriented programming, data structures, computer graphics, systems programming, and computer architecture.	2013 – 2016
<b>ManiFeste 2014, l'Academie at IRCAM</b> Courses in computer music, computer-aided composition, and IRCAM software.	2014

## Professional Experience

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<b>University of California, San Diego – Qualcomm Institute</b> Research Assistant Research in audio spatialization for real-time and virtual reality applications. Develops algorithms for spatialization and physical modeling as well as plugins/externals for software such as Unity and Max/MSP. Research led by Shahrokh Yadegari.	2017 – Present
<b>University of California, San Diego – Qualcomm Institute</b> IDEAS Series Technical Coordinator Co-coordinator and technical adviser for the IDEAS series at the Qualcomm Institute, which hosts residencies for the development of multimedia works.	2017 – Present

Schott Music New York 2017 – 2018  
Copyist

Engraving and formatting of musical scores for publishing.

Oberlin Conservatory 2015 – 2016  
Research Assistant

Research in computer-aided composition and formalized music, development of software tools for generative score creation. Research led by Aaron Helgeson.

Syndicate for the New Arts 2015 – 2016  
Director of Technology, Concert Coordinator, Teacher

Co-coordinator of concerts, director of technology, and music teacher for non-profit new music organization based in Cleveland, OH.

Oberlin Conservatory Audio Department 2014 – 2016  
Recording Engineer, Supervisor

Recording, live sound, and broadcast engineer for Oberlin Conservatory productions.

Silent Film Ensemble 2012 – 2016  
Performer, Coordinator

Music ensemble focusing on improvisation over silent films. Held several performances at the Apollo Theater in Oberlin, OH.

## Teaching Experience

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UC San Diego 2016 – Present  
Teaching Assistant

Teaching assistant for undergraduate music courses at UC San Diego. Teaches and moderates weekly sections in addition to grading assignments and exams.

Syndicate for The New Arts 2016  
Workshop Instructor

Crafted workshops that exposed electronic and experimental music to Cleveland inner-city youth. These workshops were held at each of the branches of the Cleveland public library. Also helped instruct workshops on graphic scores, text scores, and conducting.

Oberlin Conservatory 2014 – 2016  
Secondary Composition Teacher

Composition instructor for non-majors at Oberlin College and Conservatory and community members in Oberlin, Ohio.

## Residencies

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Qualcomm Institute IDEAS Performance Series 2019

Banff Centre 2014

## Conferences + Festivals

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<b>Ferus Festival</b>	2019
Projection design for the work <i>FOLDS</i> , composed by Katharina Rosenberger and performed by Miranda Cuckson. Presented at National Sawdust in Brooklyn, New York.	
<b>Sonic Fluidities Conference</b>	2018
Presentation of the installation <i>Splay</i> at UC San Diego.	
<b>Without Walls Festival (WOW)</b>	2017
Three-day presentation of the immersive audio installation <i>And Then You Wait...</i> at Bread & Salt in San Diego. Produced by the La Jolla Playhouse.	
<b>Sound in Music and Computing (SMC)</b>	2017
Presentation of the work <i>fracture</i> at Aalto University in Helsinki, Finland.	
<b>California Electronic Music Exchange Concert (CEMEC)</b>	2017
Presentation of the work <i>shards</i> at California Institute for the Arts and Mills College.	
<b>Pittsburgh Festival of New Music – Soundpike</b>	2016
Performance of the work <i>no environment, no entity</i> .	
<b>National Student Electronic Music Event (N_SEME)</b>	2015
Performance of the work <i>Astria</i> at Bowling Green State University.	
<b>Synaesthesia Symposium</b>	2015
Presentation of the work <i>pseudosphere</i> at Oberlin College.	

## Coursework

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### UC San Diego

Sound Installation Art • Digital Signal Processing • Musical Cognitive Science  
Algorithmic Composition • Embedded Audio Programming • Conducting

### Oberlin Conservatory

Spectral Music • Experimental Music • Algorithmic Composition  
Digital Signal Processing • Studio Recording

## Technical Skills

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### Areas

Sound Design, Video Design, Digital Signal Processing, Digital Audio, Sound Spatialization, Computer Graphics, Virtual Reality, Embedded Programming, Sensors.

### Programming Languages + Environments

C/C++, Python, Haskell, Unix, OpenGL, SuperCollider, Arduino, Matlab.

### Audio Software

SuperCollider, Max/MSP+Jitter, Pure Data, REAPER, ProTools, IRCAM Suite.

**Video/Graphics Software**

TouchDesigner, VDMX5, openFrameworks, Unity, Blender, Adobe Premiere.

**Music Notation Software**

Sibelius, Finale, Illustrator, OpenMusic.

**Awards**


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Walter E Aschaffenburg Prize in Music Composition	2016
Oberlin College XARTS Award	2016
Oberlin Conservatory Dean's Scholarship	2012
Oberlin College Lucy L Lewis Scholarship	2012

**Selected Works****Orogeny**

Audiovisual Media and Dance

Concept and Projection Design

Theater at the Qualcomm Institute, San Diego, CA, Winter 2019

Collaboration with the art collective AUDINT. Presented for two months.

2019

**Pressure Field: Calzada**

Sound Installation

Gallery@Calit2, San Diego, CA, Fall 2018

Collaboration with the art collective AUDINT. Presented for two months.

2018

**Splay**

Audiovisual Installation

UC San Diego, Winter 2018

Shown at the Sonic Fluidities Conference hosted by UC San Diego.

2018

**Before the horses crash into the ground, and then the ground...**

Theatrical Dance and Music Performance

Co-Creator, Sound and Projection Design

Potiker Theater at the La Jolla Playhouse, Fall 2017

Collaboration with Veronica Santiago Moniello, Ben Rempel, and Barbara Byers.

2017

**assemblage**

Four Musicians, Live Electronics, and Projections

Composition, Sound and Video Design

UC San Diego, Fall 2017

Performed by Madison Greenstone, Michael Matsuno, Kyle Blair, and Ben Rempel.

2017

- And Then You Wait...** 2017  
 Theatrical Sound Installation  
 Co-Creator, Sound Design  
 Without Walls Festival – Bread & Salt, Summer 2017  
 Collaboration with Lilly Padilla and Dylan Key.
- fracture** 2017  
 Audiovisual Installation  
 Aalto University, Summer 2017  
 Premiered at the Science in Music and Computing conference in Helsinki, Finland.  
 Collaboration with Sage Jenson and funded by the Oberlin College XARTS Award.
- dispossessed** 2017  
 Voice, Percussion, and Electronics  
 UC San Diego, Winter 2017  
 Performed by Barbara Byers and Ben Rempel.
- multiplicity** 2017  
 Sound Installation  
 UC San Diego, Winter 2017  
 Shown at the UC San Diego Experimental Theater.
- no environment, no entity** 2016  
 Flute  
 Pittsburgh Festival of New Music – Soundpike, Spring 2016  
 Performed by Zoe Sorrell
- shards** 2016  
 Fixed Sound and Video  
 Sound Design  
 Oberlin Conservatory, Spring 2016  
 Premiered in senior composition recital. Collaboration with Sage Jenson.
- California Institute for the Arts, Spring 2017  
 Shown as part of California Electronic Music Exchange Concert.
- Mills College, Spring 2017  
 Shown as part of the California Electronic Music Exchange Concert.
- other, superior dimensions** 2015  
 Flute, Clarinet, Bassoon, 2 Percussionists, String Quintet  
 Oberlin Conservatory, Fall 2015  
 Recorded by Oberlin Conservatory's Contemporary Music Ensemble.
- Transitory Static** 2015  
 Flute, Percussion  
 Oberlin Conservatory, Spring 2015  
 Performed by Zoe Sorrell and Aaron Butler as part of *impermanence/recall*.

**eclipse in distorted space** 2015  
String Quartet  
Oberlin Conservatory, Winter 2015  
Recorded by the Formalist Quartet.

**Astria** 2014  
Oboe, Live Electronics  
Bop Stop (Cleveland, OH), Spring 2015  
Performed by Timothy Daniels as part of the Syndicate for the New Arts launch event.

Bowling Green State University, Spring 2015  
Performed by Danny Holland as a part of N\_SEME (National Student Electronic Music Event).

Oberlin Conservatory, Fall 2014  
Performed by Timothy Daniels as part of the SEMBLE\_N new music concert series.

Oberlin Conservatory, Fall 2014  
Performed by Timothy Daniels as part of the Fall Student Composers Departmental.

## Links

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Personal Website <http://johnburnett.com>  
Music <https://soundcloud.com/johnburnett>  
Code <https://github.com/johnburnett>