

## CNMAT Activities Report 2019-2020

### CNMAT CONCERTS AND PERFORMANCES 2019-20

*Planetarium Dome Audiovisual Installation: Andrew Blanton, Chabot Space Center*

Friday, August 2, 2019

<https://cnmat.berkeley.edu/news/planetarium-dome-audiovisual-installation>

*Audible Numbers in Seoul*

The Contemporary Gugak Orchestra presented Edmund Campion's Audible Numbers on Friday and Saturday, September 27-28, 2019, at the National Gugak Center in Seoul, S. Korea. The piece was composed using the Open Music/TESELLATE library developed by Matthew Schumaker, Edmund Campion, and Jean Bresson at CNMAT.

<https://cnmat.berkeley.edu/news/audible-numbers-seoul>

*Fay Victor/Myra Melford/Lisa Mezzacappa*

Wed, October 2, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/fay-victormyra-melfordlisa-mezzacappa>

Mitch Stahlmann/Nayoung Jung/Sarah Grace Graves

Saturday, October 12, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/mitch-stahlmannnayoung-jungsarah-grace-graves>

Pauline Kim Harris: Heroine the Album (Concert and CD release)

Sunday, October 13, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/pauline-kim-harris-heroine-album>

Maija Hynninen: Dawn Breaks (CD release)

Monday, October 14, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/maija-hynninen>

Jihye Chang

Saturday, October 19, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/jihye-chang>

Robert Simonds, Violin

Saturday, November 2, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/robert-simonds-violin>

Maggi Payne, Jeffrey Lubow, and Cullen Miller

Saturday, November 9, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/maggi-payne-jeffrey-lubow-and-cullen-miller>

CNMAT Users Group (CUG) presents percussionist Oded Geizhals

Monday, December 2, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/cnmat-users-group-cug-presents-percussionist-oded-geizhals>

CNMAT Users Group (CUG) presents Radical 2

Saturday, December 7, 2019, 8:00pm

<https://cnmat.berkeley.edu/events/cnmat-users-group-cug-presents-radical-2>

Helena Sorokina

Friday, January 24, 2020, 8:00pm

<https://cnmat.berkeley.edu/events/helena-sorokina>

CNMAT Users Group (CUG) presents: Quince

Saturday, January 25, 2020, 8:00pm

<https://cnmat.berkeley.edu/events/cnmat-users-group-cug-presents-quince>

CNMAT Users Group (CUG) presents: DROUGHT SPA & Svist

Thursday, February 6, 2020, 8:00pm

<https://cnmat.berkeley.edu/events/cnmat-users-group-cug-presents-drought-spa-svist>

CNMAT Users Group (CUG) presents: Gleb Kanasevich:

Saturday, February 15, 2020, 8:00pm

<https://cnmat.berkeley.edu/events/cnmat-users-group-cug-presents-gleb-kanasevich>

2019 Basel Composition Competition: Carmine-Emanuele Cella

UC Berkeley faculty composer Carmine-Emanuele Cella was selected as a finalist in the 2019 Basel Composition Competition. His piece "Verso la fine del Giorno" was performed on 22 February 2019.

Cal Performances presents: Eco Ensemble

Saturday, February 29, 2020, 8:00pm

<https://cnmat.berkeley.edu/events/cal-performances-presents-eco-ensemble>

Pianist Annie Yim, The Poet Speaks: From Debussy to Pärt

Thursday, March 5, 2020, 7:00pm

<https://cnmat.berkeley.edu/events/pianist-annie-yim-poet-speaks-debussy-p%C3%A4rt>

Sam Pluta, Sky Macklay, Tomeka Reid, Kyle Bruckmann and Myra Melford

Event postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/events/event-cancelled-sam-pluta-sky-macklay-tomeka-reid-kyle-bruckmann-and-myra-melford>

CNMAT Users Group (CUG) presents: Splinter Reeds

Event postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/events/event-cancelled-cnmat-users-group-cug-presents-splinter-reeds>

CNMAT Users Group (CUG) presents: Kevin CK Lo, Didem Coşkunseven & Engin Dağlık

Event postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/events/postponed-until-further-notice-cnmat-users-group-cug-presents-kevin-ck-lo-didem-co%C5%9Fkunseven>

CNMAT presents: Earl Howard

Event postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/events/event-cancelled-earl-howard>

### **LECTURES, WORKSHOPS, SEMINARS 2019-20**

Workshop on Surface Transducers in Music and Sound Art

Saturday, August 17, 2019, 10:00am

<https://cnmat.berkeley.edu/events/workshop-surface-transducers-music-and-sound-art>

ODOT IMMERSION COURSE 2019

Monday, August 19, 2019, 10:00am

<https://cnmat.berkeley.edu/events/odot-immersion-course-2019>

Synthesis: Interdisciplinary Collaboration in Computational Music Research

Saturday, September 28, 2019, 9:00am

<https://cnmat.berkeley.edu/events/synthesis-interdisciplinary-collaboration-computational-music-research>

Lecture-demo: Music-Related Micromotion with Alexander Refsum Jensenius

Wednesday, October 23, 2019, 10:00am

<https://cnmat.berkeley.edu/events/lecture-demo-music-related-micromotion-alexander-refsum-jensenius>

EDUARDO R. MIRANDA: ARTIFICIAL INTELLIGENCE MUSIC WITH BIOCOMPUTING:

Monday, November 4, 2019, 12:00pm to 1:00pm

<https://cnmat.berkeley.edu/events/eduardo-r-miranda-artificial-intelligence-music-biocomputing>

Guy Hoffman: Transience, Replication, and the Paradox of Social Robotics

Monday, November 4, 2019, 6:30pm

<https://cnmat.berkeley.edu/events/guy-hoffman-transience-replication-and-paradox-social-robotics>

Tommy Martinez, Director of Creative-Tech at Pioneer Works, NYC

Friday, November 15, 2019, 2:00pm

<https://cnmat.berkeley.edu/events/tommy-martinez-director-creative-tech-pioneer-works-nyc>

IMSYS: Spectral Panning via Flocking Algorithms in a Multi-Channel Sound Environment with Tommy Martinez

Friday, November 15, 2019, 3:00pm

<https://cnmat.berkeley.edu/events/imsys-spectral-panning-flocking-algorithms-multi-channel-sound-environment-tommy-martinez>

Online Composition Colloquium: Jenny Q Chai

Friday, April 10, 2020, 3:00pm

<https://cnmat.berkeley.edu/events/online-composition-colloquium-jenny-q-chai>

Hands on session on Orchidea

May 29, 2020, 9:30am

<https://cnmat.berkeley.edu/news/hands-session-orchidea-live>

MIR-Toolbox Mini-Workshop

Event postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/events/mir-toolbox-mini-workshop-postponed>

### **GUEST RESEARCHERS, COMPOSERS, MUSICIANS, ENSEMBLES 2019-20**

Daniele Ghisi: Post-Doctoral Visiting Composer and Researcher 2020

Mr. Ghisi is invited by Prof. Carmine Cella for a series of Research projects.

Ali Momeni: Visiting Researcher, Scientist, and Artist for Spring 2020

Working at the intersection of art, sound, design, and technology, Ali will continue the development of ml.lib, a library of interactive machine learning tools for musicians and artists; and second, design and fabrication of several hybrid physical-digital instruments for drawing and music-making.

Radical 2

The CNMAT Users group organized a mini-residency with the New York-based percussion duo Radical 2 from December 5-7, 2019.

Olivier Lartillot: MIRAGE Project Lecture

Event postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/events/olivier-lartillot-mirage-project-lecture-postponed>

Splinter Reeds residency at CNMAT

Postponed until further notice due to Covid-19

<https://cnmat.berkeley.edu/news/splinter-reeds-cnmat-residency-postponed>

### **NEW CNMAT PARTNERSHIPS AND INSTITUTIONAL COLLABORATORS 2019-20**

- Cooperation agreement between the Lyon Conservatoire National Supérieur Musique et Danse (CNSMD) and UC Berkeley

- CNMAT partners with the Technologies of Notation and Representation (TENOR) Network and will be hosting related events at UC Berkeley.

### **GRANTS AND FUNDING 2019-20**

- Student Technology Fund: Concert Lighting Equipment for Graduate Student Composers, a grant of \$4,970.
- \$5000 STF small scale grant for the CUG Mobile Production Platform.
- CNMAT received \$500 from Townsend for the Splinter Reeds residency
- Graduate Assembly funds: \$1000 in contingency funding for Splinter Reeds
- Creative Discovery Grant: \$5000 to create online materials for Music 108

### **CNMAT projects 2019-2020**

- Orchidea 0.6 released (software for computer-assisted orchestration)
- Jonathan Kulpa: QuBits (virtual reality sound-space)
- On Zoomology: CNMAT-affiliated artist Claudia Hart received an award from the Esports Digital Art Prizes for 2019.
- Audio Spatialization Research at CNMAT (2019)
- Stompbox 2.0 (2019)
- Orchestrating with Machines (Spring 2019 Music 202 Seminar)
- Magnetic Resonator Piano
- the body you dream of is your own: t h e b o d y y o u d r e a m o f i s y o u r o w n (2019) is a musical theater piece designed and composed by UC Berkeley Music and Data Science Senior, Trevor Van de Velde.
- A E R : A E R is a site-specific installation, by UC Berkeley Graduate Composer Didem Coskunseven and Engin Daglik (Stanford), focusing on turning a 'transitive space' into a 'space of experience' by using lighting design and interactive spatial sound design in such a way that they manifest both an uncanny and inviting ambience. The work consists of four light structures hung on the surfaces of a shipping container and 8-channel interactive audio immersed in this transitive space.
- New research papers produced at CNMAT during the past year: *Estimating unobserved audio features for targeted-based orchestration*, by J. Gillick, C. E. Cella and D. Bamman, ISMIR 2019