UNIVERSITY *of* VIRGINIA
McINTIRE DEPARTMENT *of* **music**

presents

DIGITALIS

A concert of experimental work for sound and visual media created
by undergraduate and graduate students in
Composition & Computer Technologies.

Monday, May 2, 2022
8:00 pm
University of Virginia
Old Cabell Hall

Program

Braincheck   Mice
For interactive computer music and video

Third EV Live Performance for Digitalis on May 2, 2022   Brian Lindgren

Goodnight and Go Remix   Michael Bienkowski

Night Driving   Heather Mease

Miskets & Canicas   Matias Vilaplana & Anıl Çamcı

Verdes Sol Lost Todo   _oegf

Charlottesville Azure-Scarletsville   Devon Gildea

The Best Sounds of 2022 (Q1: January-April)   Heather Mease & Alex Christie

peculiar convergance chamber   Varun Kishore

Modern Jonnie Remix, track 5   Becky Brown

BeSpoke   Jeff Dutter

C C T Composition &
Computer
Technologies

Program Notes

Braincheck

"Braincheck" is an ensemble piece for interactive computer-generated audio-visuals. The piece was created for the Let There Be Light Festival, 2021. Each member of the ensemble programmed their own audiovisual instrument in Max/MSP/Jitter that generates OpenGL with computer-generated audio, and then the musicians perform with the generated video as a kind of score. Matthew Burtner teaches MICE/Performance with Computers (MUSI 4600/MUEN 2650) in the Music Department at UVA.

MICE (Mobile Interactive Computer Ensemble)
Jack Goodman
Colin Davis
Jeff Dutter
Devon Gildea
Guest Director, Alex Christie

Third EV Live Performance for Digitalis on May 2, 2022

"Third EV Live Performance for Digitalis on May 2, 2022" is the third EV live performance. The EV is a hybrid synthesizer and digital/acoustic stringed-instrument. The instrument's FFT convolution algorithms combined with the unique and expressive synthesizer create a gritty and textured realism. Using a novel pitch-tracking technology, the instrument archives both a high accuracy and low latency; it overcomes the hurdles that have historically plagued pitch-tracking or 'MIDI' stringed-instruments. This performance uses loop pedal and also visuals generated by the EV's audio processing algorithms.

Brian Lindgren is a violist and composer based in Charlottesville, VA. He is pursuing his PhD in Music Composition and Computer Technologies at the University of Virginia. He holds a BA from the Eastman School of Music (John Graham) and an MFA in Sonic Arts from Brooklyn College (Morton Subotnick, Doug Geers). His work has been featured in the NYC Electroacoustic Music Festival and International Computer Music Conference. He has performed with Alarm Will Sound and Wordless Music, recorded for Tyondai Braxton (Warp), RA The Rugged Man (Nature Sounds), David Liptak

(Bridge) and Joe Phillips (New Amsterdam). He was a semi-finalist in the 2022 Guthman Musical Instrument Competition for the EV. More info: @BKLindgren/Instagram

Goodnight and Go Remix

This is a remix I made of Ariana Grande's song Goodnight & Go. It is an original instrumental fully produced, mixed & mastered by myself. I think this is a great song to listen to during the summer time.

Michael Bienkowski is a 3rd year student from Islip, New York. He is an American Studies major & self taught music producer.

Night Driving

If you close your eyes while driving, you can almost hear the road.

Heather Mease composes and complains.

Miskets & Canicas

"Miskets and Canicas" is a networked piece for two performers playing a virtual interface for musical expression (VIME). A VIME is a kind of musical interface that exploits the unique affordances of VR for musical creativity. The specific VIME used in "Miskets and Canicas" allows the performers to construct musical structures by placing a range of resonant virtual objects on the pathway of marbles falling off of 4 pipes in the virtual environment. These objects can be spawned, destroyed, muted and positioned arbitrarily. They can also be repitched on a predetermined scale. The pipes can be set to release marbles in varying time divisions, allowing complex polyrhythmic structures to be created. In "Miskets and Canicas", two networked performers build a single musical structure based on a semi-deterministic rule system. The VIME designed with Unity acts as a shared environment that controls both the multiplayer performance over the network and the display of the virtual space to the audience. The structured improvisations of the performers and the minute construction (and deconstruction) of the building blocks give the system an inherently indeterminate behavior.

Matias Vilaplana
My creative practices involve recording/mixing, music composition, musical interaction design, ensemble improvisation with live audio

processing and drawing. I'm currently focused on researching embodiment and music interaction in virtual environments using consumer grade HMDs and Motion Capture technology through practice-based approaches. I hold a Bachelor of Fine Arts with distinction in Music Technology from Universidad de Chile in Santiago, as well as an M.A. in Media Arts from University of Michigan and I'm currently a PhD candidate in the Composition and Computer Technologies program at the University of Virginia.

Anıl Çamcı

I am an Assistant Professor of Performing Arts Technology at the University of Michigan. I investigate ways of worldmaking through multimedia artworks and research in the areas of virtual reality, human-computer interaction, and spatial audio. Before joining the University of Michigan, I was a Postdoctoral Research Associate at the University of Illinois at Chicago's Electronic Visualization Laboratory, where I led research into immersive systems. Prior to this appointment, I was a faculty member of the Istanbul Technical University, Center for Advanced Studies in Music, where I founded the Sonic Arts Program. I conducted my PhD research at Leiden University's Academy of Creative and Performing Arts, in affiliation with the Institute of Sonology in The Hague, and the Industrial Design Department at Delft University of Technology. I studied Multimedia Engineering at the University of California, Santa Barbara's Media Arts and Technology Department. My works have been featured throughout the world in leading journals and conferences. I have been awarded various grants and scholarships including the Audio Engineering Society Fellowship and the ACM CHI Artist Grant.

Verdes Sol Los Todo

We humans are not the only beings with language: there is a language of animals. But, also, things have a language. Nature has a language, a language that is mute, and the fact that is mute does not mean that it is not a language. The spiritual content of language is a historical content. The passage of green time enriches words. There is a spiritual content that communicates in the green, which is a trace of the divine in us. Green language is a historical footprint.

Here nature does not refer only to living beings and the ecosystem, it also alludes to the world of things. Nature is history: it's natural history. And things are products of culture, historical products, the world of things

is a world where nature unfolds itself and becomes a phenomenon of cultural green.

_oegf: Human as an artist, inventor, magician, curator, teacher. After having deserted from two composition universities in Méjico, he specializes in Sonology (Koninklijk Conservatorium - Holland) and holds a Master's Degree in Contemporary Art as auditor (Aguascalientes). His work is inserted into reality by transducing it and sometimes attempts to function as an act of critical enunciation. His energies oscillate across fields of knowledge and sometimes enjoys collaborative work. Creator of Punto Ciego International Festival and artist of the infamous Guggenheim Aguascalientes, is mostly a self-taught artist although he holds an M.A. at Wesleyan and currently struggles towards a Ph.D at UVA.

Charlottesville Azure-Scarletsville

The piece is comprised of field recordings of populated areas made on UVA grounds during both day and night. This audio is processed via Diemo Schwartz's CataRT synthesizer for Max/MSP, but the features of this software have been expanded to accommodate the piece, and two instances of Windows are used.

Devon Gildea a third-year linguistics student who enrolled in Mobile Interactice Computer Ensemble out of interest in his first semester on grounds upon transferring to UVA.

The Best Sounds of 2022 (Q1:January-April)

A data-driven curated overview of 2022's best sounds thus far, a reflection and forecast giving listeners a direction to turn their ears in the months to come. Did your favorite sounds make the list?

Alex Christie is an inventor, curator, and entrepreneur working at the bleeding edge of important topics.

peculiar convergance chamber

Originally conceived for Zoom, peculiar convergence chamber requires performers to improvise while responding to animated video backgrounds across three movements: solids, circles, lines. Each performer is assigned a color, and must play when their assigned color appears in other performers' backgrounds. In this rendition, Zoom will

be replaced by physical screens, but the rules of the game remain largely unchanged—each movement presents a set of possibilities for how to interpret the video (based on color, shape, movement), and transitions are cued by changes in the conductor's background.

Becky Brown, *harp*
Kevin Davis, *cello*
Owen Markow, *tenor saxophone*
Varun Kishore, *screens*

Varun Kishore is a composer from Kolkata, India. His work explores interdisciplinary approaches to music technology, literature, and the audiovisual, with a focus on designing frameworks for composition and improvisation to investigate what he sees as the 'apocalyptic' nature of creative practice. His current areas of interest include drone music, digital instrument and interface design, alternative notation, and video.

Varun is a graduate of the University of West London (BMus Popular Music Performance, 2012) and Goldsmiths, University Of London (MMus Creative Practice, 2019). He is currently a PhD student in the Composition and Computer Technologies program at the University of Virginia.

Modern Jonnie Remix, track 5

Jonnie Z is a woman in her mid-90's, who gave me her lifetime's worth of cassette tapes in May 2021 when I went to visit my grandma in Oregon. Most of the tapes are from around 1985-1995. You could call this a portrait, but I don't think Jonnie is the only subject.

Becky Brown is a composer, harpist, artist, and web designer, interested in producing intensely personal works across the multimedia spectrum. She focuses on narrative, emotional exposure, and catharsis, with a vested interest in using technology and the voice to deeply connect with an audience, wherever they are. She is currently pursuing graduate studies in Composition and Computer Technologies at the University of Virginia.

BeSpoke

A two-wheeled test of photospatial relationships through cyclic sonic reactions, contemplating mobility through chromatic control.

Jeff Dutter is a graduating music student of photosonics and ecoacoustics, under the guidance of Alex Christie and Prof. Burtner. He is a member of the MICE ensemble and Professor A.D. Carson's

Composing Mixtapes class, which will be releasing an album on May 6. He is pursuing an independent study through the advice of Professor Lobley, and is a part of Professor Jospe's Learn to Groove class. Jeff is happy to have spent his final semester immersed in sound.

Special Thanks To:

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