Tommy McPhee's Composition List

This list only includes works completed since the beginning of my graduate studies in the Fall of 2021, with the exception of works which have been performed since 2019.

***Sub-GHz Sonification System*, digital instrument created in Max/MSP**
For use with the Flipper Zero portable multi-tool device and MIDI CC (optiontal)
Instrument privately demonstrated in May 2024 via online presentation in AME 511

Recording of demonstration: [SubGHz Sonification System with Flipper Zero (Max/MSP)](#)

Max patch: https://github.com/TommyMcPhee/SubGHzSonificationSystem

***Study for Sinusoidal Spectra*, for stereo fixed media**
Privately premiered in April 2024 via online presentation in MTC 591: Spectralism

Recording: [Study for Sinusoidal Spectra](#)

Source code (C++/OpenFrameworks) used to render piece:
https://github.com/TommyMcPhee/StudyForSinusoidalSpectra/tree/main

***Scape*, for ambisonic generative fixed media**
Privately premiered in April 2024 in the fifth order ambisonic dome in the school of Media Arts and Engineering at Arizona State University (located in Tempe, AZ)

***Automorphism*, for fixed video, soprano, flute and alto saxophone**
Premiered in April 2024 by the Fonema Consort Ensemble-in-Residence in the Organ Hall at Arizona State University (located in Tempe, AZ)

Concert recording: https://youtu.be/x8Zci3C6zRM

Score:
https://drive.google.com/file/d/1nhieK90lfWWXJd7TscR_5bfqVxqkmQOo/view?usp=drive_link

Source code to render video: https://github.com/TommyMcPhee/automorphismVideo

***Zero Gravity*, for generative video and string orchestra**
Premiered in March 2024 by the Arizona State University Symphony Orchestra as part of the Composer-in-Residence program in the Organ Hall (located in Tempe, AZ)

Concert recording: https://youtu.be/L7-S_heOCpI

Score:
https://drive.google.com/file/d/14LqIThU2aXEARF_iWhm2oFk45qdd2bpS/view?usp=drive_link

Program source code (C++/GLSL/OpenFrameworks): TommyMcPhee/zeroGravity: Visuals for orchestra composition (github.com)

***Discretion*, for electronics and video**
4-channel fixed media version premiered in April 2024 at the Arizona State University Composition Department Recital in the Katzin Concert Hall (located in Tempe, AZ)
12-channel fixed media version premiered in March 2024 at the SEAMUS Soundscapes of Inner Peace conference (hosted by New York University) in New York, NY
Original digital instrument privately presented in December 2023 in MTC 590: Sound Art

Performance of Dodecaphonic Version (secondary stereo recording):
https://youtu.be/jRmw3l2Yn4o

Performance of Quadraphonic Version (secondary stereo recording):
https://www.youtube.com/live/-KAQOEVkc6c?si=yztWbjFGbXIxad6q&t=699

Brief improvisation using the original digital instrument:
https://www.youtube.com/watch?v=DNxAhaTIyLo

Source code:
https://github.com/TommyMcPhee/discretion
https://github.com/TommyMcPhee/DiscretionQuadraphonic
https://github.com/TommyMcPhee/DiscretionFixedMedia

***Collective Perception*, for fixed generative stereo electronics and video**
Premiered in February 2024 at the Arizona State University Composition Department Recital in the Katzin Concert Hall (located in Tempe, AZ)

Studio rendition: https://www.youtube.com/watch?v=DQwA4UV_Jrs

Performance (secondary recording):
https://www.youtube.com/live/LtEResoWD5w?si=BrHRTHzFEj7fJ5mI&t=1465

Program source code (C++/GLSL/OpenFrameworks):
https://github.com/TommyMcPhee/collectivePerception

Orbital Observation, for marimba and bass clarinet
Premiered by the Transient Canvas ensemble in February 2024 in the Katzin Concert Hall at Arizona State University (located in Tempe, AZ)

Score video of recording: Orbital Observation- Score Video (Performed by Transient Canvas)

Score: https://drive.google.com/file/d/1dBeUIIx8u03Se-cDof-KuLzJpSa2Y_Gn/view?usp=drive_link

Portal, for interactive virtual reality and ambisonic audio (with Kungin Tsai)
Premiered in December 2023 in the fifth order ambisonic dome at the Media Arts and Sciences Exhibition at Arizona State University (located in Tempe, AZ)

Binaural POV video of experience: "Portal" Interactive XR Experience- BINAURAL Point-of-View Demonstration

Narrated experience video: https://www.youtube.com/watch?v=CZkh9khXHlU&t=1s

Very polished documentation by Kungin: Tommy & Kungin documentation.pdf

Freezing Térere, for brass quintet
Premiered in November 2023 at the PRISMS Contemporary Music Festival (hosted by Arizona State University) in the Katzin Concert Hall (located in Tempe, AZ)

Performance: https://www.youtube.com/live/-LLFHdOoXpE?si=sbtAsp7SH5hWHz9m&t=5365

Score: https://drive.google.com/file/d/15BqaEUtHeXDYHtNCb6ChLNsjTdCo-ZgO/view?usp=drive_link

Code for audio-reactive visuals:
TommyMcPhee/freezingTerereVisuals (github.com)

Static Spaces, for ambisonic interactive media and video
Privately premiered in April 2024 in the fifth order ambisonic dome in the school of Media Arts and Engineering at Arizona State University (located in Tempe, AZ)

***Sextet*, for live electronics and video**
Composed in Fall 2023; not yet performed

Score:
https://drive.google.com/file/d/12K7O7e6RJ5adFJyCS23hxVnkixpYd59P/view?usp=drive_link

Max patch: TommyMcPhee/sextet (github.com)

The Self-Similar Synthesizer
Sound synthesis software program created for MM Final Project in March 2023

Video demonstration: Demonstration of the Self-Similar Synthesizer (MM Music Technology Final Project)

Source code: TommyMcPhee/selfSimilarSynthesizer: Master of Music in Music Technology Final Project (Georgia Southern University) (github.com)

***Unpredictable Sound System*, stereo digital instrument**
Created in December 2022; not yet publicly presented

Max file: TommyMcPhee/unpredictableSoundSystem (github.com)

***Counterpoint*, for n-channels generative fixed media and video**
Audio-only version premiered in November 2022 at the Channel Noise concert in the Carter Recital Hall at Georgia Southern University (located in Statesboro, GA)

Audiovisual studio rendition: Tommy McPhee- Counterpoint (Recorded 2-22-2023)

Premiere performance (secondary recording):
https://www.youtube.com/live/sMfLMXDw_eM?si=_2xT_aB4315YMC7L&t=3332

Source Code: TommyMcPhee/counterpoint: SuperCollier code and C++/OpenFrameworks code for visuals (github.com)

***Windows*, for live electronics and video**
First-place recipient of the Mykytyn family composition prize in November 2023
Premiered in March 2022 at the Channel Noise concert in the Carter Recital Hall at Georgia Southern University (located in Statesboro, GA)
Performed in March 2023 at the TURN UP Multimedia Festival (hosted by the University of Arizona in Tuscon, AZ)

Audiovisual MOXONIC Version: Windows (stereo electronics and video)

Premiere audio-only performance: [Windows (live electronics)](#)

Source code: [TommyMcPhee/windows: Video synthesis program for Windows (github.com)](#)

Squares, for hardware polyphonic synthesizer and sound recording/playback
Premiered in October 2021 at the Channel Noise concert in the Carter Recital Hall at Georgia Southern University (located in Statesboro, GA)
Performed at the TUTTI New Arts Festival (hosted by Denison University) in Granville, OH in March 2022 and at the Electronic Music Midwest festival (hosted by Lewis University in Romeoville, IL in April 2022

Studio recording: https://www.youtube.com/watch?v=-svr-b1ksrc

Score:
https://drive.google.com/file/d/1zmy8eJ0qYF9Tifg1dv9xvQjoWcxCtdi_/view?usp=drive_link

Haunted Halls, for EML ElectroComp 200 Modular Synthesizer
Composed Fall 2021; not yet performed in concert

Studio performance (with artistic video effects):
https://www.youtube.com/watch?v=TbyY-mNZw5o

Sipping on Térere, for brass quintet (horn, trumpet, trombone, euphonium and tuba)
Published in January 2020 by Brass Editions
Premiered in 2019 in the Rothwell Recital Hall at Lamar University (located in Beaumont, TX)

Recording: https://www.youtube.com/watch?v=YJyBnQoqGZo

Score:
https://drive.google.com/file/d/1xcA_3jZ8XY6DHD1RtLNIyPGgoiYYcyAY/view?usp=drive_link

BM Senior Recital Works (pre-recorded premiered May 2023 online)
- *Space Pool,* **for woodwind trio** (flute and two Bb clarinets)
- *Four Seasons,* **for toy and grand piano**
- *Fortitude,* **for brass trio** (horn, euphonium and tuba)
- *The Sweetest Poison,* **for solo piano**
- *Zaphod Beeblebrox,* **for low brass trio** (trombone, euphonium and tuba)

- ***Ice Cube*, for hardware synthesizers and sound recording/processing**
- ***The Third Eye*, for alto saxophone and hardware sampler** (asynchronous)
- ***Lunar Truth*, for fixed generative hardware synthesizer**

Recording: https://www.youtube.com/watch?v=0XvMhGYKMp8

Scores: https://drive.google.com/drive/folders/1XBjd-LQmHU1BN0X-pNnWdXnsb0i1zpbU?usp=drive_link