

MARCO BUONGIORNO NARDELLI – MUSIC CV

University Distinguished Research Professor

Department of Physics, College of Science, and
Division of Composition Studies (affiliated), College of Music
CEMI, Center for Experimental Music and Intermedia
iARTA, initiative for Advanced Research in Technology and the Arts
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and

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ARTIST'S STATEMENT

My Art/Science practice orbits around the duality "music as data, data as music": translation of complex events in sonic material, and object for musical poiesis. On one hand, data are raw elements for a compositional process that transcends the materiality of the original information in a post-sonification praxis: the data stream is open for elaboration as principal element of a data-driven compositional environment. I use these data as a sculptor would use clay (the raw data) to mold any object or create any design (the music). On the other, I generalize the concept of musical spaces as big data networks and derive functional principles of compositional design by the direct analysis of the network topology. I exploit the dual aspect of data in music, in both the analytic and the artistic aspect, through the development of open-source software tools for a novel approach to the dialogue between perceptualization of data and artistic creation. In my practice I bring a platform for Art/Science integration rooted in a profound and extensive expertise in development of scientific and artistic software and a vision for sustainable community software development. The idea of artists and their audience as active co-creators of the artistic event is central to my creative practice and has now found an evolutionary path in the conceptualization of networks as entities that bridge Science, Art and Society, an idea that has become the foundation of my artistic and music-theoretic research in the past few years.

EDUCATION AND TRAINING

1983 Diploma in Music Theory, Conservatorio "Luigi Cherubini", Florence, Italy

1989 B.S. in Physics at the University of Rome, "La Sapienza", Rome, Italy

1991 M.S. in Physics at the International School for Advanced Studies (SISSA/ISAS) in Trieste, Italy, Graduate Advisor: Prof. Stefano Baroni

1993 Ph.D. in Physics at the International School for Advanced Studies (SISSA/ISAS) in Trieste, Italy, Graduate Advisor: Prof. Stefano Baroni

OTHER TRAINING

- 1980-1995 Flute Performance, Oro Petrucci, Rome, Italy, private lessons
- 1980-1995 Flute Performance, Gianluca Petrucci, Conservatorio “Santa Cecilia”, Rome, Italy, private lessons
- 2000-2010 Flute Performance, Brooks deWetter-Smith, University of North Carolina at Chapel Hill, private lessons
- 1980-1985 Composition, Lyda Di Cuffa, Conservatorio “Luigi Cherubini”, Florence, Italy private lessons
- 2000-2005 Composition, Allen Anderson, University of North Carolina at Chapel Hill, private lessons
- 2000-2005 Composition, Alan Shockley, California State University, private lessons
- 1996-present Jazz performer on flute and saxophones as part of various ensembles (the Marco Nardelli Quartet, Kolaj, Jaafar, ELM collective, Ecco La Musica)
- 1970-present Baroque recorder and traverso performer – participant to numerous Urbino Musica Antica Festivals.

PROFESSIONAL APPOINTMENTS

- Aug. 2019 to present Affiliated Faculty, Composition Division, College of Music, University of North Texas
- July 2019 to present Associate Fellow, IMéRA, Institute for Advanced Studies of Aix-Marseille University, Marseille, France
- Sep. 2017 to present Faculty member, CEMI, the Center for Experimental Music and Intermedia
- Sep. 2015 to present Faculty member, iARTA, initiative for Advanced Research in Technology and the Arts
- Sep. 2014 to present University Distinguished Research Professor, University of North Texas.
- Jan. 2012 to present Professor, Department of Physics, University of North Texas.
- Aug. 2009 - Dec. 2011 Professor, Department of Physics, North Carolina State University.
- Aug. 2005 - Aug. 2009 Associate professor, Department of Physics, NCSU.
- Aug. 2001 - Aug. 2005 Assistant professor, Department of Physics, NCSU.
- Nov. 1998 - Aug. 2001 Research associate, Department of Physics, NCSU
- Nov. 1995 - Nov. 1998 Postdoc, Department of Physics, North Carolina State University - Postdoctoral Advisor: Prof. Jerry Bernholc
- Nov. 1993 - Nov. 1995 Postdoc, Laboratorio INFN-TASC, Trieste, Italy - Postdoctoral Advisor: Prof. Fernando Tommasini

AWARDS AND RECOGNITION FOR CREATIVE WORK

- Associate Fellow, IMéRA, Institute for Advanced Studies of Aix-Marseille University, 2019
- Leadership Innovation Award, University of North Texas, 2017
- University Distinguished Research Professor, University of North Texas, 2014
- Fellow of the Institute of Physics, 2011.
- Fellow of the American Physical Society, 2010.

- Sigma Xi Faculty Research Award, NCSU Chapter, May 2004.

COMMISSIONS

2021. “L’Indifferenza dell’Amore Cosmico (Version II)” for clarinet(s), electronics and cosmic rays, Gleb Kanasevich, Ginevra Petrucci – Flauto d’Amore Project
2021. “L’Indifferenza dell’Amore Cosmico (Version I)” for flute(s), electronics and cosmic rays, Ginevra Petrucci – Flauto d’Amore Project
2019. “The Messengers” a cosmopera for voices and fixed media (8 channels audio), electronics and cosmic rays, IMÉRA/PRISM, Marseille, France
2019. “La Forme de l’Océan”, for SATB choir and multichannel audio, Ensemble Creation, Marseille, France.
2018. “Meditation” for viola voice and double bass, ensemble “Nu Atmospheres”, Denton, TX
2017. “Un giro d’anello”, for string quartet and fixed media, ELETTRA Sincrotrone Trieste, Italy.
2010. “Tzolk’in” for three marimbas, Volta Trio, Eastman School of Music

COMMERCIAL RECORDINGS

2012. “Morning Moon”, Ecco La Musica, Big Round Records, BR8924

ARTISTIC SOFTWARE DEVELOPMENT

MUSICNTWRK: A python library for pitch class set and rhythmic sequences classification and manipulation, the generation of networks in generalized music and sound spaces, deep learning algorithms for timbre recognition, and the sonification of arbitrary data. Available at www.musicntwrk.com and on GitHub at <https://github.com/marcobn/musicntwrk>.

PUBLICATIONS (music theory and composition)

1. M. Buongiorno Nardelli, *The hitchhiker’s guide to all-interval 12-tone rows*, submitted to Perspectives on New Music (2021)
2. M. Buongiorno Nardelli, *Tonal harmony and the topology of dynamical score networks*, submitted to The Journal of Mathematics and Music (2021)
3. M. Buongiorno Nardelli, *Topology of Networks in Generalized Musical Spaces*, Leonardo Music Journal, **30**, 38-43 (2020), doi: 10.1162/lmj_a_01079 (2020), also at arXiv:1905.01842
4. M. Buongiorno Nardelli, *MUSICNTWRK: data tools for music theory, analysis and composition*, arxiv.org/abs/1906.01453, Springer Lecture Notes in Computer Science, vol. 12631, p. 190 (2021) *Proceedings of Computer Music Multidisciplinary Research*, Oct 2019, Marseille, France
5. Marco Buongiorno Nardelli, Mitsuko Aramaki, Sølvi Ystad, Richard Kronland Martinet. *Machines that listen: towards a machine listening model based on perceptual descriptors*, <https://hal.archives-ouvertes.fr/hal-02263890>, conference paper, *Computer Music Multidisciplinary Research 2019*, Oct 2019, Marseille, France
6. M. Buongiorno Nardelli, *Beautiful data: Reflections for a sonification and post-sonification aesthetics*, in Leonardo Gallery: Scientific Delirium Madness 4.0, Leonardo | Volume 51 | Issue 3 | June 2018 - p.227-238.

7. M. Buongiorno Nardelli, *materialssoundmusic: a computer-aided data-driven composition environment for the sonification and dramatization of scientific data streams*, International Computer Music Conference Proceedings, 2015, 356 (2015).
8. M. Buongiorno Nardelli, *Compositional design and pitch class set operations: integrated tools for composition and analysis*, unpublished (2009).

PUBLICATIONS (scores)

1. Marco Buongiorno Nardelli, *untitled (Four. Feel. Titles. Words)* for Flauto d'Amore, recorder and electronics, Flauto d'Amore Editions at www.flautodamore.com (New York, NY, 2020).
2. Marco Buongiorno Nardelli, *Tout ce qu'on perd*, in "Creativity Quarantine Flauto d'Amore Collection - Flute and Trumpet Duets", Flauto d'Amore Editions at www.flautodamore.com (New York, NY, 2020).
3. Marco Buongiorno Nardelli, *Gradus Ad Linos. Technical Exercises for Flute*, Riverberi Sonori, 2017, ISBN: M-705004-46-5
4. Marco Buongiorno Nardelli and Ecco la Musica, "Morning Moon" scores, Big Round Records, 2012, BR8924.

All my other scores are self-published and available in the IMSLP library at https://imslp.org/wiki/Category:Buongiorno_Nardelli,_Marco

PUBLIC PERFORMANCES, INSTALLATIONS, WORKSHOPS AND PRESENTATIONS

- June 18-25, 2021, *Requiem*, for an arbitrary number of performers – Complexity Interactive Ensemble, Santa Fe Institute, online and in archival video.
- From January 2021- ongoing *My Old Plum Tree* for voice, electronics and inherited sounds, part of the virtual gallery *Exquisite corpse: art made in isolation during the coronavirus*, online at <https://mentalrevolver.com/>.
- Nov. 29 – Dec. 3, 2021 *Complexity and Structure in Music*, SFI Working Group, Santa Fe Institute, Santa Fe, NM.
- Sept. 22, 2020 *Network Topology of Generalized Musical Spaces*, International School and Conference on Network Science, NETSCI2020 (virtual)
- Sept. 17, 2020 *Tonal harmony, the topology of dynamical score networks and the Chinese postman problem*, Centrality in networks: structural and dynamical aspects conference, NETCENT2020 (virtual)
- Aug. 21-30, 2020 *un giro d'anello*, for string quartet and fixed media - video installation, CURRENTS VIRTUAL, CURRENTS NEW MEDIA virtual festival at currentsvirtual.com
- August 6-9, 2020, *Miniature Opera Project #2: "The Messengers" a CosmOpera* as multimedia installation and live performance, InterPlanetary Festival, Santa Fe Institute, Santa Fe, NM. **CANCELLED DUE TO THE COVID-19 PANDEMIC**
- June 12-20, 2020, *Miniature Opera Project #2: "The Messengers" a CosmOpera*, as multimedia installation, CURRENTS NEW MEDIA exhibition and festival (currentsnewmedia.org/festivals/currents-new-media-2020) in Santa Fe, NM. **POSTPONED TO 2021 DUE TO THE COVID-19 PANDEMIC**
- May 15, 2020, *Musique et Complexité*, Working Group meeting, IMéRA, Marseille, France. **POSTPONED TO A FUTURE DATE DUE TO THE COVID-19 PANDEMIC**

- April 22, 2020, *The Messengers*, as fixed media video, Earth Day Art Model, telematic festival at earthdayartmodel.org
- April 17, 2020, *Tout ce qu'on perd*, for flauto d'amore, flugelhorn, voice and percussion, voice and text, Hyam Yared, flauto d'amore, Ginevra Petrucci, flugelhorn, Nathan Hudson, creativity Quarantine, world premiere. Released on BandCamp at <https://flautodamoreproject.bandcamp.com/album/creativity-quarantine>
- April 9, 2020, *untitled (four.feel.titles.words)* for 2 flauto d'amore (or other melodic instruments) and electronics, Ginevra Petrucci, flauto d'amore, MEIT Theater, College of Music, University of North Texas – world premiere. **POSTPONED TO A FUTURE DATE DUE TO THE COVID-19 PANDEMIC**
- April 9, 2020, *Le resaux de ton souvenir* for solo alto recorder, Antonio Carrilho, recorder, MEIT Theater, College of Music, University of North Texas – world premiere. **POSTPONED TO A FUTURE DATE DUE TO THE COVID-19 PANDEMIC**
- April 5, 2020, *Tout ce qu'on perd*, for voice, flauto d'amore and flugelhorn, after a poem by Hyam Yared; voice and flauto d'amore, Ginevra Petrucci; flugelhorn, Nathan Hudson. Creativity Quarantine of the Flauto d'Amore Project, Facebook, <https://www.facebook.com/flautodamore/videos/938436276614028/> (world premiere).
- December 16-24, 2019, CURRENTS826, *The Messengers* as video-installation, Santa Fe, NM
- October 24, *BEAUTIFUL DATA: Materials as Musical Muses*, UNT College of Science SMART talk, Denton, TX.
- October 19, Workshop on *MUSICNTWRK: data tools for music theory, analysis and composition*, CMMR2019 (Computer Music Multidisciplinary Research), Marseille, France
- October 17, *MUSICNTWRK: data tools for music theory, analysis and composition*, CMMR2019 (Computer Music Multidisciplinary Research), Marseille, France
- October 14-19, 2019, *Miniature Opera Project #2: "The Messengers" a CosmOpera*, CMMR2019 (Computer Music Multidisciplinary Research) and GMEM, Marseille, France
- September 23, 2019, *Music as Data, Data as Music*, Music Now, MEIT Theater, College of Music, University of North Texas
- September 19, 2019, 7pm, *Trio*, for flute, violin and cello, 3 in Three, Sarah Lewis (violin, piano), Jean Lee Cole (flute, piano), and Maria Schwartz (cello), Loyola University Maryland.
- September 13 and 14, 2019, 7pm - 11pm, *Miniature Opera Project #1: UNKNOWN a journey*, The PASEO Festival 2019, Taos, New Mexico
- June 21, 2019, *Miniature Opera Project #1: UNKNOWN a journey*, Festival du Jeu de l'oie, MUCEM, Marseille, France
- 6/3 – 7/31 and 9/1-20 2019, *IDEA: la melodia della materia*, ELETTRA Sincrotrone Trieste Interactive installation @ Trieste Citta' della Conoscenza (TTC), Piazza della liberta, 8 (in the Central Train Station), Trieste, Italy.
- April 22, 2019, *Meditation* for viola voice and double bass, ensemble Nu Atmospheres: Kathleen Crabtree, viola; Morgan Horning, soprano; Justin Kujawski, double bass - (World premiere) Spectrum, 8:00PM, MEIT Theater, College of Music, University of North Texas.
- March 26-31, 2019, *Miniature Opera Project #1: UNKNOWN a journey*, DIFFRAZIONI MULTIMEDIA FESTIVAL, Le Murate - Progetti Arte Contemporanea, Firenze, Italy

- Nov. 7, 2018, Trio, for flute, recorder and cello, Festivals de Outono 2018 – University of Aveiro - Trio Syrinxcello, Antonio Carrilho, recorder, Katherine Rawdon, flute, Catherine Strinckx, cello
- *IDEA, an Interactive Display of Electrons and Atoms*, TRIESTE NEXT 2018 European Researchers' Night, 7a Edizione del Festival della Ricerca Scientifica, Trieste, September 28-30, 2018.
- *IDEA, an Interactive Display of Electrons and Atoms*, "The Olympic games of neutrons and photons" Exhibition at the Science in the City Festival for the Euroscience Open Forum (ESOF2018) in Toulouse (France) in July 8-14, 2018
- *Miniature Opera Project #1: UNKNOWN a journey*, CURRENTS NEW MEDIA exhibition and festival (currentsnewmedia.org/festivals/2018/) in Santa Fe, NM, June 8-24
- April 27-28, *Miniature Opera Project #1: UNKNOWN a journey* - NWEAMO Festival 20th anniversary - SDSU Downtown Gallery, San Diego, CA
- March 29-31, *Miniature Opera Project #1: UNKNOWN a journey* - Society for Electro-Acoustic Music in the United States (SEAMUS) 2018 National Conference, University of Oregon, Eugene, OR.
- February 27, 2018 - Premiere of *un giro d'anello*, for string quartet and fixed media, Spectrum, 8:00PM, MEIT Theater, College of Music, University of North Texas.
- February 26, 2018 - Premiere of *Miniature Opera Project #1: UNKNOWN a journey* - Music Now, MEIT 11:00AM - the installation will be on display at the MEIT between 11:00AM-4:00PM, College of Music, University of North Texas.
- July 16, 2017 - Premiere of *Trio*, for flute, oboe and cello - Djerassi Resident Artist Program, Woodside, CA
- July 2, 2017 - Premiere of *on the resonance of the fog*, for flute and percussions - Djerassi Resident Artist Program, Woodside, CA
- March 30, 2016 - presentation of the materialsoundmusic project at the Spring 2016 TxHATS meeting, University of North Texas.
- September 25 - October 1, 2015 - materialsoundmusic: *a computer-aided data-driven composition environment for the sonification and dramatization of scientific data streams*, 41th International Computer Music Conference, Denton, TX (USA).
- September 30 - Premiere of "*Ricercare*" ("*Invention n. 2*" from "*Inventions for data streams*"), 41th International Computer Music Conference, Denton, TX (USA), Concert 23, 11AM Voertman Hall.
- May 21, 2015 - "*High-throughput materials discovery and development (and a digression on Music, Science and Data-driven Composition)*", University of Sao Paulo, Sao Paulo, Brazil.
- April 27, 2015 - "*Music, Science and Data-driven Composition*", Music Now, MEIT 11:00AM, College of Music, University of North Texas. In this lecture/concert I discussed the materialsoundmusic project and premier two pieces for MIDI player piano and electronics, "*Music for 88 keys*" and "*Contrappunto*" (from "*Inventions for data streams*").
- April 27, 2015 - "*Tzolk'in*" for three marimbas (Justin Matthews, Alex Mendoza and Tim Feerst, marimbas), Spectrum concert, 8:00PM, College of Music, University of North Texas
- Ecco la Musica, NC Museum of Art - Raleigh, NC, February 27, 2012

- Tzolk'in (2010) for three marimbas, premiered by the Volta Trio at the Eastman School of Music on November 30, 2010.
- Circle Limits - Accessible Contemporary Music, Chicago, IL, November 2008
- Ossi di Seppia, flutist Jessica Sherwood - Georgia Tech Georgia Tech Music Technology Center opening, November 7, 2008
- Ossi di Seppia, flutist Jessica Sherwood - Georgia Tech Alumni House, November 3, 2008
- ELM collective - NC Museum of Art - Raleigh, NC, March 21, 2008
- ELM collective - Murphey School Theater grand opening - Raleigh, NC, January 30, February 1-3, 2008
- Threnos (drone) (2007) *electronic music on digital medium*, premiered on iTunes podcast "StaticMusic | Drones", August 11, 2007
- Kaleida (drone) (2007) *electronic music on digital medium*, premiered on iTunes podcast "StaticMusic | Drones", April 20, 2007
- rain over tallinn (2007) *for piccolo, two flutes and electronic music on digital medium*, premiered on Dec. 5, 2007 by the "New York System" ensemble at Rhode Island College, RI (E. Codd, vl; K. Waters, C. Craig, fl; M. Buongiorno Nardelli, electronics; A. Shockley, conductor)
- Finzione di interludio (2006/2007) *for chamber orchestra*, premiered on Feb. 25, 2007 at NC State University in Raleigh by the Raleigh Civic Chamber Orchestra conducted by Randolph Foy.
- Ossi di seppia (2006) *for flute and digital audio effects*, premiered on Oct. 19, 2006 at NC State University in Raleigh for the ArtsNow concert series, Marco Buongiorno Nardelli, flute
- Bamboo's ghost (2006), *electronic music on digital medium*, premiered on Nov. 9, 2006 at La Salle University in Philadelphia.
- Canto notturno (di un pastore errante dell'asia) (2006) *for amplified flute and tape* Premiered Oct. 19, 2006 at NC State University in Raleigh for the ArtsNow concert series
- *String quartet n. 1 - circle limits* (2006/2007)
MOVEMENT N. 1 - CIRCLE LIMIT II "intersections in the hyperbolic plane"
MOVEMENT N. 2 - CIRCLE LIMIT III "every line is a circle passing through infinity"
MOVEMENT N. 3 - CIRCLE LIMIT IV "on the harmony of the celestial spheres". Chicago's Accessible Contemporary Music ensemble, Weekly Readings program.

JURIED ARTIST RESIDENCIES & ARTIST COLONIES

- June 28 - July 26, 2017 - Scientific Delirium Madness 4.0 - Djerassi Resident Artist Program, Woodside, CA
- February 20 - July 12, 2019, resident fellow at IMéRA, Institut d'Études Avancées d'Aix-Marseille Université in partnership with the CNRS-PRISM (Perception Representation, Image, Sound, Music) Laboratory, Marseille, France.

ARTIST-IN-RESIDENCE POSITIONS

2015-present ArtSciLab, Art Technology and Emerging Communication (ATEC) at the University of Texas at Dallas

TEACHING

Fall 2021 MUCP 4600-5700 “Generative and algorithmic composition in Python”, UNT Division of Composition Studies.

2018-present Various graduate seminars and special problem courses on computer music, algorithmic composition, and advanced music theory.

2009-2011 *Music of Science, Science of Music*, HON321, North Carolina State University. This course investigates music as the science of sound, from the earliest experiments on vibrating strings to digital recording and MP3s, and the parallel development of music and scientific thought in western cultures. Part of the course is dedicated to building simple instruments based on what the students have learned in the class.

MEDIA COVERAGE

- Coverage of the “miniature opera project #1: UNKNOWN, a journey” at the Diffrazioni Multimedia Festival in Florence, Italy by RAI 1 (Italian National Television channel 1) during “UNO Mattina” (2’56” segment) on April 24, 2019 8:52AM.
- Coverage of the “miniature opera project #1: UNKNOWN, a journey” at the Currents New Media Festival in Santa Fe, NM, by Pasatiempo, June 8, 2018 - Pasatiempo is the award-winning arts and culture magazine published by The New Mexican.
- APS Physics Feature: *Arts & Culture: Materials as Musical Muses*, May 4, 2018
- December 2015 - Featured member of the Art & Science Collaborations, Inc. (ASCI) for the month of December. You can learn more at <http://www.asci.org/artikel1465.html>.
- June 17, 2015 - Featured profile on InHouse, the online magazine of the University of North Texas.

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

ASCAP, Society of Composers, Inc., SEAMUS, ICMA, Art & Science Collaborations, Inc (ASCI).

COMPLETE CATALOG OF WORKS

2021 *L’Indifferenza dell’Amore Cosmico (Version II)*, for bass clarinet (or clarinet(s)), cosmic rays and electronics (arbitrary duration) – for Gleb Kanasevich

2021 *L’Indifferenza dell’Amore Cosmico (Version I)*, for flauto d’amore (or flute(s)), cosmic rays and electronics (arbitrary duration) – for Ginevra Petrucci and the Flauto d’Amore Project

2021 *Requiem*, for an unspecified number of performers (arbitrary duration)

2020 *Tout ce qu’on perd*, for speaking voice, flauto d’amore and flugelhorn after a poem by Hyam Yared (4’30”)

2020 *untitled (four.feel.four.words)*, for 2 flauto d’amore (or other melodic instruments) and electronics (15’40”)

2019-present *miniature opera project #2: The Messengers*, CosmOpera for voices, fixed media (multichannel audio), and cosmic rays (variable duration)

2019 *La Forme de l'Océan*, for SATB choir and multichannel audio, text by Jiang Hao after his poem 海的形状 (5'48")

2019 *Le réseau de ton souvenir*, for recorder

2018 *Meditation*, for viola, voice and double bass (8')

2017-2018 *miniature opera project #1: UNKNOWN a journey*, for voices and fixed media (four channel audio, polystyrene, plexiglas, electronic components and orange beanbags) (variable duration)

2017 *Un giro d'anello*, for string quartet and fixed media (20')

2017 *Mylar soundscape*, fixed media (loop)

2017 *on the resonance of the fog*, for flute and percussions (three performers) (1'30")

2010, 2016 *Trio*, for flute, violin (oboe) and cello (7'30")

2016 *EleKtrlon*, fixed media

2015 *Inventions for data streams:*

#1- *Contrappunto*, for player piano (5')

#2- *Ricercare*, for flute, player piano, electronics and live data streams (4'15")

#3- *...et qua diversa moventur*, for violin, clarinet and piano (5'40")

#4- *Amargosa Tryptich*, for piano (15'45")

#5- *JXOverdrive*, for bassoon quartet and electronics

2015 *Music for 88 keys (to Conlon Nancarrow, in memoriam)*, for player piano and electronics (10')

2008-2012 Works for "Ecco la Musica" (*Morning Moon, Triste Solitario y Final, Imagination of the Tadpole, Sunset of the Water Jade, To Think of You, Variations on a prayer*), for mixed ensembles (variable durations)

2007 *Elementi in una variazione*, for flute+piccolo, piano, percussion (two performers)

2007 *Bamboo's ghost*, fixed media (1')

2007 *Anninnia, anninnia*, for female voice and piano (3'30')

2007 *rain over tallin (dedication to Arvo Pärt)*, for amplified piccolo (violin), two amplified flutes, percussion and electronic music on digital medium

2007 *Finzione d'interludio*, for chamber orchestra (7'33")

2007 *Two drones (Kaleida, Threnos)*, fixed media (3'+3')

2007 *Circle Limits (II,III,IV)*, for string quartet (15')

2006 *Ossi di Seppia (Cuttlefish bones)*, for flute and digital audio effects (7')

2006 *Canto notturno (di un pastore errante dell'Asia)* for amplified flute and tape (3'40")