

Lorenzo Ballerini

Current Position

- Lecturer in Multimedia at the N. Piccinni Conservatory in Bari.
 - Research and Development for the EAR- Enacting Artistic Research project at the Santa Cecilia Conservatory in Rome.
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Biography

Lorenzo Ballerini is a sound and new media artist, also active in research and teaching. He earned a Diploma in Music and New Technologies from the Conservatory of Florence and a Master's in Artistic Research in Music from the Conservatory of Rome.

His work develops in academia as a Multimedia professor at the N. Piccinni Conservatory in Bari and as a researcher for the Santa Cecilia Conservatory in Rome as part of the R&D team of the EAR – Enacting Artistic Research project. Within EAR, he contributes to the development of Kobi, an AI ecosystem for artistic research and education, working on design, data analysis, and the development of interactive systems to explore new modes of interaction between technology and creativity. He has also published scientific papers on electroacoustic music, new media, and inclusive music education.

Artistically, Ballerini intertwines physical and digital elements, creating transmedia installations and performances that invite reflection on the social, communal, and political implications of contemporary society. He has collaborated with artists and composers such as Christine Meisner, Michele Marasco, Paolo Parisi, Roberto Fabbriciani, Tiziano Manca, and has participated in international festivals and projects such as ADE Festival, Berlin Biennale, Bright Festival, Fabbrica Europa, Gaida Festival, ICSC, MA/IN Festival, SMC, and Tempo Reale Festival.

Higher Education

- 2014 – 2017
Luigi Cherubini Conservatory, Florence, Italy
First-level Academic Diploma- Electronic Music
 - 2016
Accademia Musicale Chigiana, Siena, Italy
Advanced Course in Electronic Composition and Sound Engineering – with Alvisè Vidolin and Roberto Fabbriciani
 - 2017 – 2018
Luigi Cherubini Conservatory, Florence, Italy
Second-level Academic Diploma – Music and New Technologies
 - 2020 – 2021
Santa Cecilia Conservatory, Rome, Italy – Orpheus Institute of Ghent, Belgium
Second-level Master – AReMus – Artistic Research in Music
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Most Relevant Work Experience

- 2018 – 2019
Lecturer at FUA, Florence University of the Arts
Topics: Electroacoustic Music Composition, Max MSP, Ableton Live, Audio Recording, Multimedia and Interactivity with Adobe After Effects, Touch OSC, Arduino, Sensors
Courses:
 - PSELMM380: Multimedia Studio II – Interactive Multimedia Composition with Ableton Live, Max MSP, Adobe After Effects
 - THEMP370MP: Music Production with Ableton Live and Max MSP
 - 2021 – 2022
Lecturer at the A. Scontrino Conservatory of Trapani – COME/04 – Electroacoustic Music
 - 2022 – 2023
Lecturer at the Vittadini Conservatory of Pavia – COME/05 – Music Informatics
 - 06/05/2023
ROMA TRE University
 - Instructor for MUSACT Workshop – Ensemble Music and Interactive Inclusive Multimedia Labs
 - National Conference: “Music for inclusive teaching for students with learning disabilities”
 - Commissioned by: Italian Ministry of Education and Merit, National Committee for Practical Music Learning
 - 2023 – 2024
Lecturer at the A. Scontrino Conservatory of Trapani – COME/05 – Music Informatics
 - 2024 – 2025
Lecturer at the N. Piccinni Conservatory of Bari – COME/06 – Multimedia
 - 2024 – 2025
Research and Development for the EAR – Enacting Artistic Research project at the Santa Cecilia Conservatory of Rome
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Other Relevant Activities

- 2018 – 2020
CTO at Purilian Srl
Developed generative music software with Machine Learning, AI, Gesture and Facial Recognition.
Main environments: Python, Max MSP, Pure Data, Supercollider
- 09/2021 – 09/2022
Collaborator in a University Research Grant Project
Research: *Inhibitory motor control during cooperative and competitive tasks: an EEG hyperscanning study in musicians and athletes*
Granted by: University of Florence, 2021
Role: Composer of piano duets tailored for the study
Purpose: Functional neuro-research using musical instruments to investigate the role of inhibitory

motor control in timing adaptation and neural programming during dyadic musical performance. The results have significant implications for music therapy, both for habilitation and rehabilitation.

- 05/2022 – 12/2022
PHAS – Phygital Architecture Studio
Role: Sound Designer – Composer – Interaction Designer using Machine Learning, AI, Gesture and Facial Recognition, Plants, and LED visuals.
Main tools: Python, Max MSP, Pure Data, Supercollider, Resolume Arena
- 12/2022 – 03/2023
Berlin University of the Arts (UdK Berlin)
Post-graduate Erasmus+ Internship
Role: Teaching Assistant to Prof. Georg F. Klein – Program Director | Sound Studies and Sonic Arts
Topics: Wave Field Synthesis Studio, Electroacoustic Composition, Multimedia, Sound Art & Multimedia Exhibitions

Artistic Achievements

- 2019
Bright Festival, Florence
First Prize in Call for Artists: *Relazioni Digitali*, for Live Electronics and LED Visuals
 - 2022
REF Resilience Festival, Foggia
First Prize in Call for Artists: *Relazioni Digitali*, for Live Electronics and LED Visuals
 - 2023
Bright Festival, Florence
First Prize in Call for Artists: *Circular*, Participatory Installation and Performance for Live Electronics and LED Visuals
 - 2023
Mis Uno +1, Lisbon, Portugal
Winner of Artist Residency Call: *Transimmanency*, Installation for Bright Resonant Objects and Web
Created with Alberto Maria Gatti, the project explores the trans-interactive function of the web, blending it with bright resonant objects to create a unique trans-immersive audiovisual experience
 - 2023
Gaida Festival, Vilnius, Lithuania
Winner of Call for Artists: *Aeterna*, for Live Electronics and LED Visuals
 - 2024
GlogauAIR gGmbH, Berlin, Germany
Winner of Call for Artists: *Web Box*, Installation for Sound, Light, and WebApp
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Publications

- 2023
ARTECH2023 – 11th International Conference on Digital and Interactive Arts, Faro, Portugal
Paper: *Transimmanency: An Artistic Research Exploration of the Society of Control with Bright Resonant Objects and Web*
Authors: Alberto Maria Gatti and Lorenzo Ballerini
ISBN: 979-8-4007-0872-5/23/11
 - 2024
68th Congress of the Italian Society of Clinical Neurophysiology (SINC), Genoa
Poster: *Inhibitory control in piano duet: an EEG hyperscanning study*
Authors: Giovannelli F, Gavazzi G, Noferini C, Bravi R, Ballerini L, Dalpasso MG, Minciacchi D, Viggiano MP, Cincotta M
 - 2024
The Neurosciences and Music VIII: Wiring, Re-wiring, and Well-being – Helsinki
Poster: *Inhibitory control in piano duet: an EEG hyperscanning study*
Authors: Ballerini L, Dalpasso MG, Minciacchi D, Cincotta M, Viggiano MP
 - 2024
Proceedings of the International Csound Conference, Vienna
Paper: *The Internet of Sound*
Topics: Web Audio, Multimedia Art Installations, Musical Performance with New Technologies, Inclusive Music Education
Authors: L. Ballerini, G. Hernandez
 - 2024
Musica & Figura journal No. 10, Il Poligrafo Publishing, Padua
Article: *Customized Technology for Inclusive Music Education – Personalized Tools for Collective Musical Activities*
ISBN: 978-88-9387-294-2
 - 2025
Ruggenti Publishing, Milan
Commissioned by: Italian Ministry of Education and Merit
Book: *Music and Compensation for Learning Disabilities. Educational Proposals Between Neuroscience and Evidence-Based Research*
Article: *MUSACT – Ensemble Music and Interactive Inclusive Multimedia Workshops*
ISBN: 978-8876657122
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