

IVANO PECORINI

Composer • Sound Artist • Researcher in Sound and Space

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RESEARCH PROFILE

Composer and sound artist working at the intersection of acoustic research and artistic practice. My doctoral research at the University of Greenwich (SOUND/IMAGE Research Centre) developed **Sonic Planimetry**, a methodology that transforms the systematic acoustic measurement of architectural interiors into generative material for site-specific composition: measured resonances are translated into pitch material, so that the room's own acoustic identity becomes the basis of the musical work. The methodology is evidenced by four commissioned works in museum and heritage contexts, consolidated in a phenomenological-acoustic model, and embodied in an interactive web application through which other practitioners can apply the protocol. My research interests centre on sound as an interpretative layer in exhibition design, acoustic mapping, spatial audio, and practice-as-research methodologies.

PUBLICATIONS AND RESEARCH OUTPUTS

RESEARCH OUTPUT **Sonic Planimetry Web Application** — principal non-textual output of the doctoral research: interactive application embodying the four-phase protocol, from acoustic mapping to frequency-to-pitch translation, making the methodology transferable to practitioners who are neither acousticians nor programmers.

UNDER REVIEW "Limen: Ritual Memory, Acoustic Resonance and Site-Specific Composition in a Medieval Tufa Interior", journal article submitted to *Organised Sound* (Cambridge University Press), call "The Art and Craft in Electroacoustic Music".

IN PRESS "Listening, Drawing, Composing: Sonic Planimetry as an Interdisciplinary Tool for Cultural Heritage Through Sound", long paper, peer-reviewed book chapter in *Advances in Design, Music and Arts IV* (EIMAD 2026), Springer Series in Design and Innovation, Scopus-indexed. Also presented as conference paper, EIMAD 2026.

IN PRESS "Echoes of Lost Places: Sonic Planimetry as a Methodology for Site-Specific Sound Installation in Heritage Contexts", article, SPaMEC 2026 special issue of *Quaderni del San Pietro a Majella* (with ISBN).

PRESENTED "Sonic Planimetry: Acoustic Mapping as a Tool for Site-Specific Sound Art in Museum and Heritage Spaces", conference presentation and published abstract, EUROMUSE International Scientific Conference, Belgrade.

DOCTORAL RESEARCH PORTFOLIO — COMMISSIONED WORKS

2026 **Avantgarde Madrigale** — site-specific soundwalk for the visitor itinerary of Museo Bagatti Valsecchi (house museum), Milan: a thirty-six-position sonic planimetry translated into a spatially differentiated musical layer for the museum's rooms.

2025 **Custodians** — site-specific installation for mannequins, megaphones and the State Hall of Copped Hall, Epping, UK; presented as part of Light Tales & Familiar Sounds.

2025 **Echoes of Lost Places No. 1 & No. 2** — site-specific A/V installations for the church and cloister ruins of the Capuchin Convent, Simeri, Italy (Hhòcu

EDUCATION

2022–2026

PhD, Sound Art — SOUND/IMAGE Research Centre, University of Greenwich, London.

Thesis: Sonic Planimetry: Acoustic Mapping as a Compositional Method for Site-Specific Sound Art. Supervisors: Dr A. Knight-Hill, Dr E. Margetson.

2018–2019

MMus, Electronic Music Composition — University of West London.

2014–2017

BA, Electroacoustic Composition — Conservatorio di Musica Santa Cecilia, Rome.

ACADEMIC SERVICE

Reviewer and Panel Chair —

Sound/Image Festival, University of Greenwich, all editions 2022–2026.

Reviewer and Panel Chair — SPaMEC

2026 Conference, Conservatorio di Musica San Pietro a Majella, Naples.

MASTERCLASSES

"Composing Electronic Music: A New Aesthetic" — Curtis Roads, Conservatorio Santa Cecilia, Rome.

"Sound Synthesis and Perception: Composing from the Inside Out" — John Chowning, Conservatorio Santa Cecilia, Rome.

TECHNICAL SKILLS

Acoustic measurement & analysis — ESS impulse response, RT60/early decay, spectral analysis, pink-noise diagnostics.

Spatial audio — Higher-Order Ambisonics composition and diffusion; binaural rendering.

Software — Max/MSP, TouchDesigner, Pro Tools, Ableton Live, Logic Pro, Fmod.

Musical instruments — Synth, Modular synth, Guitar, Piano

Sutta Citara Fest). **No. 3**, off-site version: New York City Electroacoustic Music Festival 2026.

2023 Limen — site-specific installation commissioned and exhibited at Seminaria Sogninterra Art Biennale, Maranola, Italy; off-site version at Sound/Image Festival 2023, London.

SPATIAL AUDIO WORKS — HIGHER-ORDER AMBISONICS

MOMENTO for organ and electronics — Sound/Image Festival 2024, London.

DIES IRAE for six voices and electronics — NottFAR 2020, Nottingham; Sound/Image Festival 2023, London.

VARA for viola and electronics — Magnetica · Tempo Reale Festival 2026, Florence; Marginale II 2026, Naples; New York City Electroacoustic Music Festival 2026.

TEACHING AND KNOWLEDGE EXCHANGE

2026 Mapping Space Through Listening — Sonic Planimetry workshop for 24 young musicians, artists and architects; Royal Borough of Greenwich Cultural Impact Award programme, with Tramshed, London.

2025 Building a Sonic Planimetry — seven-day intensive workshop, sole tutor, SimeriLab International Summer School, Simeri, Italy.

2018– Private tuition in electronic music and sound design, beginner to advanced.

SCORES FOR FILM, THEATRE AND DANCE (SELECTED)

2026 Jeans — original score for the short film written and directed by Gaia Marotta (Alchemia Pictures); selected, Giffoni Film Festival 2026.

2026 Licia — original score for the short film written and directed by Gaia Marotta; winner, "Focus Occhio al Sud", Social World Film Festival 16.

2023 Col cuore in mano — sound design for video installation, Museo Bagatti Valsecchi, Milan (curated by Elena Datrino).

2021 Turbomondi (Melodia) — score and sound design for video installation by Andrea Martinucci, produced by the Italian Ministry of Culture and MAECI.

2021 Requiem 23 — electroacoustic work, part of the soundtrack of *Tra le onde* (dir. Marco Amenta; Eurofilm / Achab Film / Oberon Media International).

2020–23 Jeplane, Land, Sexy Movers — scores and sound design for contemporary dance (dir. Aurelio De Virgilio), incl. Congo – Cantieri Goldonetta, Florence, and Museo della Città, Livorno.

LANGUAGES

Italian — native.

English — proficient (C1).

EARLIER ARTISTIC WORK

St. Mary (Sound/Image 2022, London); *Hidden Noises* (ArteNatura, Bosco Nordio, 2019 — **second prize**); *Wunderkammer* (Interactive Art Fest, London, 2019).

Releases on Opal Tapes, ROHS!, Mahorka, Elan Vital, Stochastic Resonance. Co-founder, STRATI collective.

Scores for film, theatre and contemporary dance, incl. works produced by the Italian Ministry of Culture / MAECI.

PROFESSIONAL EXPERIENCE

Sound editor & location sound recordist — freelance, 2019–; incl. *La Terra dei Figli* (Indigo Film/Rai Cinema) and *The Book of Vision* (prod. T. Malick), sound editor assistant.

Live sound engineer — Jazz Café POSK, London, 2021–22.

Sound designer (Volunteer) — Hope Humanitarian Operations, London, 2022–23.