Anna Xambó Sedó

BA, MA, MSc, PhD

Senior Lecturer in Sound and Music Computing
Centre for Digital Music (C4DM)
School of Electronic Engineering and Computer Science (EECS)
Queen Mary University of London (QMUL)
London, United Kingdom

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WEBPAGE: annaxambo.me

Current Academic Roles

—*Senior Lecturer in Sound and Music Computing*, C4DM, QMUL, UK.
—*Principal Investigator*, AHRC Sensing the Forest.
—*Member*, EECS Women in Higher Education (WHEN), QMUL, UK.
—*Fellow*, Higher Education Academy, United Kingdom.

Areas of Interest

Sound and Music Computing • New Interfaces for Musical Expression • Human-Computer Interaction • Tangible Interaction • Computer-Supported Collaborative Music • Live Coding • Music Information Retrieval • Machine Learning • Generative & Algorithmic Music • Spatial Audio • Women in Music Tech • STEAM Education • Data Visualization • Data Science • Creative Computing • Network Music • Web Audio • Audio Electronics • Audio DSP • Creative AI • Sonic Arts

Education

2015 PhD, The Open University (OU), UK & DRA., Universitat Pompeu Fabra (UPF), Spain.
Major: Music computing & HCI.
Dissertation: *Tabletop Tangible Interfaces for Music Performance: Design and Evaluation.*
2008 MSc in Information, Communication and Audiovisual Media Technologies, UPF, Spain.
Major: Music computing & HCI.
Dissertation: *Interfaces for Sketching Musical Compositions.*
1999 MASTER in Video, Animation and Multimedia Design, Media Art Institute Fak d'Art, Spain.
1996 BA, MA in Social and Cultural Anthropology, Universitat de Barcelona (UB), Spain.

Dissertation

Title   **Xambó, A.** (2015). *Tabletop Tangible Interfaces for Music Performance: Design and Evaluation.*
Advisors   Dr Robin Laney, Mr Chris Dobbyn and Prof Sergi Jordà.
Examiners Prof Eduardo Reck Miranda and Dr Janet van der Linden.
Website   http://oro.open.ac.uk/42473/

Music Education

CLASSICAL TRAINING

1983–1987 PIANO, Conservatori Superior de Música del Liceu, Barcelona.

1982–1988 MUSIC THEORY & SOLFEGE, Conservatori Superior de Música del Liceu, Barcelona.

WORKSHOPS

2018 SPATIAL AUDIO WORKSHOP by Eric Lyon. Virginia Tech, Blacksburg, Virginia, USA.

2014 TALLER COMPOSICIÓN ACUSMÁTICA (Acousmatic Composition Workshop) by Beatriz Ferreyra. Barcelona.

2012 SÍNTESI NO ESTÀNDARD: TÈCNIQUES, ESTÈTIQUES, EXTENSIONS (Non-Standard Synthesis: Techniques, Aesthetics, Extensions) by Luc Döbereiner. Barcelona.

2009 TALLER CONSTRUEIX EL TEU PROPI SINTETITZADOR (Build Your Own Synthesizer Workshop) by Tom Bugs. Barcelona.

2008 SMC SUMMER SCHOOL by Xavier Serra, Marc Leman, Benjamin Knapp, and the Casa Paganini - InfoMus Lab. Genoa, Italy.

2006 EL MÓN COM A INSTRUMENT (The world as an instrument) by Francisco López. Barcelona.

1998 IMPROVITZACIÓ MÈTODE COBRA (Cobra Improvisation Method) by Orquestra del Caos. Barcelona.

Teaching Education

2024–2025 POSTGRADUATE CERTIFICATE IN ACADEMIC PRACTICE (PGCAP) (with certificate). Instructors: Valentina Aparicio/Stephanie Fuller (module 1), Jo Trelfa/Ana Cabral (module 2). Ongoing. QMUL. London.

2020 RESEARCH SUPERVISION. Instructors: Sally Ruane (module 1), Deborah Cartmell (module 2), Meera Warrier (module 3). DMU. Leicester, UK.

2018–2019 CERTIFICATE IN LEARNING AND TEACHING (CILT) (with certificate). Instructors: Emma Kennedy (module 1), Alison Gilmour (module 2), Maren Thom (module 2). QMUL. London.

2018 WOMEN INTO LEADERSHIP. Instructor: Lorraine Smith. QMUL. London.

2017 COMMUNICATION SKILLS FOR TEACHING FOR INTERNATIONAL FACULTY, POSTDOCS, AND VISITING SCHOLARS (with certificate). Instructor: Katherine Samford. Georgia Institute of Technology (Georgia Tech). Atlanta, GA, USA.

Employment

01/2024–present SENIOR LECTURER IN SOUND AND MUSIC COMPUTING. C4DM, School of Electronic Engineering and Computer Science, QMUL.

01/2020–12/2023 SENIOR LECTURER IN MUSIC AND AUDIO TECHNOLOGY. Leicester Media School, Faculty of Computing, Engineering and Media, DMU.

08/2018–12/2019 ASSOCIATE PROFESSOR IN MUSIC TECHNOLOGY. Department of Music, Norwegian University of Science and Technology (NTNU).

08/2018–01/2019 VISITING LECTURER. C4DM, School of Electronic Engineering and Computer Science (EECS), QMUL.

10/2017–07/2018 POSTDOCTORAL RESEARCH ASSISTANT. C4DM, School of EECS, QMUL.

07/2015–09/2017 POSTDOCTORAL FELLOW. Center for Music Technology (GTCMT) | Digital Media Program, Georgia Tech.

08/2013–09/2014 RESEARCH FELLOW. London Knowledge Lab, University College London (UCL) Institute of Education. London.

02/2004–06/2010 CO-FOUNDER, PROJECT MANAGER, WEB DESIGNER & WEB DEVELOPER. Nodular Soft. Barcelona.

01/2008–07/2009 WEB DESIGNER & WEB DEVELOPER PROJECT OFFICER. Music Technology Group, UPF. Barcelona.

11/2007–06/2009 WEB DESIGNER & WEB DEVELOPER PROJECT OFFICER. Uaalah!!. Barcelona.

08/2005–09/2006 WEB DESIGNER & MOTION GRAPHIC DESIGNER. CCRTVi | TV3 Interactiva. Sant Just Desvern,

Barcelona.

05/2001–08/2002 Web Designer & Motion Graphic Designer. TerraNetworks | UranoFilms. Barcelona.

04/2000–05/2001 Web Designer & Motion Graphic Designer. MediaPark | ParkNet, Barcelona.

Honors & Awards

Academic Grants, Honors, Awards & Accolades

10/2022–11/2022 Research sabbatical. DMU, Leicester, UK.

10/2021–06/2022 Future Research Leaders (FRL) 8 Programme accolade. DMU, Leicester, UK.

2019c Web Audio Conference 2019 Best Paper Award to Anna Xambó, Robin Støckert, Alexander Refsum Jensenius and Sigurd Saue. NTNU, Trondheim, Norway.

2019b The EUNIS DØRUP E-Learning Award to Robin Støckert, Alexander Refsum Jensenius, Anna Xambó and Øyvind Brandtsegg. NTNU, Trondheim, Norway.

2017 NCWIT Engagement Excellence Award ($5,000 cash award) to Greg Hendler, Léa Ikkache, Brandon Westergaard, Anna Xambó, Doug Edwards, Brian Magerko, and Jason Freeman (Earsketch), Georgia Tech.

2016 Women in Music Information Retrieval (WiMIR) grant, awarded a conference fee waiver to attend the ISMIR 2016 conference. New York University (NYU), New York.

10/2010–07/2013 3-year Fully-Funded Full-Time OU PhD scholarship. OU, Milton Keynes, UK.

03/2010–06/2010 4-month Fully-Funded OU Visiting Research Studentship. OU, Milton Keynes, UK.

Artistic Honors & Awards

05/2004 First prize award Minima Festival. Gandía, Spain.
Category: Experimental Video.
Project: "Cosmogonias".
Role: Creator & Director.

Grants & Funding

Principal Investigator

09/2023–08/2025 AHRC Early Career Research Grant (AH/X011585/1, AH/X011585/2)
Funding body: AHRC.
Project: "Sensing the Forest - Let the Forest Speak using the Internet of Things, Acoustic Ecology and Creative AI".
Role: PI.
Partners: C4DM, QMUL; Music, Technology and Innovation - Institute for Sonic Creativity (MTI²), De Montfort University (DMU); Forest Research; Forestry England.
Total Pound Amount: £250,000

05/2022–06/2022 Living in a Digital Society - Spotlight Funding Round 2
Funding body: DMU.
Project: Development fund for research grant preparation.
Role: Lead Researcher/Coordinator.
Total Pound Amount: £2,720

11/2021–06/2022 Future Research Leaders 8 – Development fund
Funding body: DMU.
Project: Development fund that is part of the FRL Programme.

Role: Lead Researcher/Coordinator.
Total Pound Amount: £1,000

04/2020-10/2021   HUMAN DATA INTERACTION NETWORK PLUS/EPSRC GRANT (EP/R045178/1)
Funding body: EPSRC.
Project: "MIRLCAuto: A Virtual Agent for Music Information Retrieval in Live Coding".
Role: PI.
Partners: (MTI^2), DMU; Leicester Hackspace; IKLECTIK; Phonos; l'ull cec.
Collaborators: TOPLAP Barcelona, FluCoMa, Freesound.
Total Pound Amount: £10,000

08/2018-12/2019   START-UP PACKAGE (STARTPAKKE)
Funding body: NTNU.
The start-up package is awarded to women in permanent academic positions to help them start their academic careers within a scientific field that has an underrepresentation of women. With part of this funding, I co-founded and was chair of the organisation Women Nordic in Music Technology (*WoNoMute*) (see Entrepreneurship).
Role: PI.
Total Norwegian Krone Amount: kr250,000, approx. €25,000

11/2003-10/2004   TEACHING INNOVATION PROJECT GRANT
Funding body: Fundació Caixa de Sabadell.
Project: "Crossmedia infantil: Estudio sobre las nuevas tecnologías y la comunicación audiovisual en la escuela infantil y primaria (Crossmedia for Children: New Technologies and Audiovisual Communication in Primary Education)."
Role: PI.
Collaborators: Eladi Martos (Co-PI), UB.
Total Euro Amount: €3,000

COLLABORATOR

01/2025–06/2025   WOMEN IN HIGHER EDUCATION NETWORK (WHEN)
Funding body: ERIC Fund second round, QMUL.
Role: Co-chair.
Collaborators: Ekaterina Ivanova (chair).
Total Pound Amount: £7,600

09/2016-08/2020   ADVANCING INFORMAL STEM LEARNING GRANT
Funding body: National Science Foundation (NSF).
Project: "Collaborative Research: Mixing Learning Experiences for Computer Programming Across Museums, Classrooms, and the Home Using Computational Music". Award Number: 1612644.
Organization: Georgia Tech Research Corporation.
Role: Postdoctoral Fellow and Co-Writer of the grant proposal.
Collaborators: Brian Magerko (PI), Jason Freeman (Co-PI), Mike Horn (Co-PI).
Total Dollar Amount: $2,517,690.00

FUNDRAISER

2019b   WEB AUDIO CONFERENCE 2019
Role: Conference chair.
Total Fundraised Norwegian Krone Amount: kr120,000 (approx. €12,000)

<dl>
<dt>2019a</dt>
<dd>

INTERNAL FUNDING FOR A COST APPLICATION
Role: Project leader.
Travel grant for European research and promotion.
Total Fundraised Norwegian Krone Amount: kr30,000 (approx. €3,000)
</dd>

<dt>2017–2018</dt>
<dd>

FEMALE LAPTOP ORCHESTRA + WoNoMute +YSWN + SONORA: SEMINAR AND CONCERT AT SARC
Role: Co-organizer and participant of the event.
Total Fundraised British Pound Amount: £2,000
</dd>

<dt>05/2016–05/2017</dt>
<dd>

WOMEN IN MUSIC TECH
Role: Co-Founder & Co-Chair of the organization.
Total Fundraised Dollar Amount: $11,450
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CREATOR | DIRECTOR

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<dt>09/2001–08/2002</dt>
<dd>

AUDIOVISUAL PRODUCTION GRANT
Funding body: Departament de Cultura de la Generalitat de Catalunya (Department of Culture of Catalan Government).
Project: "Transdata Pr.".
Role: Creator, Director & Video Editor.
Collaborators: Gerard Roma (music), Oscar Abril Ascaso (essay).
Total Euro Amount: €3,000
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<dt>09/1998–08/1999</dt>
<dd>

AUDIOVISUAL PRODUCTION GRANT
Funding body: Departament de Cultura de la Generalitat de Catalunya (Department of Culture of Catalan Government).
Project: "Mitösömä".
Role: Creator, Director & Animation Editor.
Collaborators: Gerard Roma (music).
Total Euro Amount: €3,000
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Research Profiles

- Academia.edu
- DORA (De Montfort Open Research Archive)
- Google Scholar
- Open Research Online
- ORCID
- ResearchGate
- SCOPUS
- Semantic Scholar
- Web of Science

Publications

PEER-REVIEWED BOOKS / EDITED BOOKS, JOURNAL SPECIAL ISSUES, AND PROCEEDINGS

2025   Erdem, Ç., Griwodz, C., Serafin, S., **Xambó, A.** (eds.) Embodied Perspectives on Sound and Music AI (special issue). *Frontiers in Computer Science.* Ongoing.

2023   **Xambó, A.**, Roma, G., Magnusson, T. (eds.) (2023). Live Coding Sonic Creativities (special issue). *Organised Sound*, 28(2).

2020b   **Xambó, A.**, Martín, S. R., Roma, G. (eds.) (2020). JAES Special Issue on Web Audio. *Journal of*

Audio Engineering Society, 68(10).

2020a **Xambó, A.**, Martín, S. R., Roma, G. (eds.) (2019). *Proceedings of the International Web Audio Conference.* NTNU. ISSN: 2663-5844.

2019 Queiroz, M. **Xambó, A.** (eds.) (2019). *Proceedings of the International Conference on New Interfaces for Musical Expression.* UFRGS. ISSN 2220-4806.

2004 **Xambó, A.** (2004). *Herramientas De Diseño Digital / Digital Design Tools.* Madrid: Anaya-Multimedia. Editor: Eugenio Tuya Feijoo. ISBN 8441516979.

Peer-Reviewed Book Chapters

2020 Støckert, R., Bergsland, A., **Xambó, A.** (2020). "The Notion of Presence in a Telematic Cross-Disciplinary Program for Music, Communication and Technology". In Eiksund, Ø. J., Angelo, E., Knigge, J. eds. Music Technology in Education – Channeling and Challenging Perspectives. Cappelen Damm Akademisk, Oslo. pp. 77–101.

2019 **Xambó, A.**, Font, F., Fazekas, G., Barthet, M. (2019). "Leveraging Online Audio Commons Content For Media Production". In Michael Filimowicz ed. Foundations in Sound Design for Linear Media: An Interdisciplinary Approach. Routledge. pp. 248-282. ISBN 9781138093966.

2016 **Xambó, A.** (2017), "Embodied Music Interaction: Creative Design Synergies Between Music Performance and HCI". In Price, S. and Broadhurst, S. eds. Digital Bodies: Creativity and Technology in the Arts and Humanities. Palgrave Macmillan, London. pp. 207–220. ISBN 9781349952410.

2013 **Xambó, A.**, Laney, R., Dobbyn, C., Jordà, S. (2013). "Video Analysis for Evaluating Music Interaction: Musical Tabletops". In Holland, S., Wilkie, K., Mulholland, P. and Seago, A. eds. Music and Human-Computer Interaction. Springer, London. pp. 241–258. ISBN 9781447129905.

Peer-Reviewed Journal Articles

2024 **Xambó, A.**, Roma, G. (2024). Human-Machine Agencies in Live Coding for Music Performance. *Journal of New Music Research.* 53(1–2), 33–46.

2024 Jawad, K., **Xambó, A.** (2024). Feminist HCI and Narratives of Design Semantics in DIY Music Hardware. *Frontiers in Communication*, 8:1345124.

2023 **Xambó, A.** (2023). Discovering Creative Commons Sounds in Live Coding. *Organised Sound*, 28(2): 276–289.

2022 **Xambó, A.** (2022) "Virtual Agents in Live Coding: A Review of past, present and future directions". *e-Contact!*, 21.1. Online journal.

2021 Roma, G., **Xambó, A.**, Green, O., Tremblay, P.A. (2021) "A General Framework for Visualization of Sound Collections in Musical Interfaces". *Applied Sciences*. 11(24):11926.

2020 **Xambó, A.**, Støckert, R., Jensenius, A.R. and Saue, S. "Learning to Code Through Web Audio: A Team-Based Learning Approach". *Journal of Audio Engineering Society*, 68(10), pp. 727–737. *Special Issue on Web Audio.*

2019 **Xambó, A.**, Lerch, A., Freeman, J. "Music Information Retrieval in Live Coding: A Theoretical Framework". *Computer Music Journal*, 42(4), Winter 2018, pp. 9–25.

2018b Roma, G. and **Xambó, A.**, Freeman, J. (2018). "User-independent Accelerometer Gesture Recognition for Participatory Mobile Music". *Journal of Audio Engineering Society*, 66(6), pp. 430–438.

2018a **Xambó, A.**, Roma, G., Shah, P., Tsuchiya, T., Freeman, J., Magerko, B. (2018). "Turn-taking and Online Chatting in Co-located and Remote Collaborative Music Live Coding". *Journal of Audio Engineering Society*, 66(4), pp. 253–256.

2017c **Xambó, A.**, Hornecker, E., Marshall, P., Jordà, S., Dobbyn, C., Laney, R. (2017). "Exploring Social Interaction with a Tangible Music Interface". *Interacting with Computers*, 29(2), pp. 248–270.

2017b Jewitt, C., Price, S., **Xambó, A.** (2017). "Conceptualising and Researching the Body in Digital Contexts: Towards New Methodological Conversations Across the Arts and Social Sciences". *Qualitative Research*, 17(1), pp. 37–53.

2017a Jewitt, C., **Xambó, A.**, Price, S. (2017). "Exploring Methodological Innovation in the Social Sciences: The Body in Digital Environments and the Arts". *International Journal of Social Research Methodology*, 20(1), pp. 105–120.

2013b **Xambó, A.**, Hornecker, E., Marshall, P., Jordà, S., Dobbyn, C., Laney, R. (2013). "Let's Jam the Reactable: Peer Learning during Musical Improvisation with a Tabletop Tangible Interface". *ACM Transactions on Computer-Human Interaction*, 20(6), pp. 36:1–36:34.

2013a Bogdanov, D., Haro, M., Fuhrmann, F., **Xambó, A.**, Gómez, E., Herrera, P. (2013). "Semantic Audio Content-based Music Recommendation and Visualization based on User Preference Examples". *Information Processing & Management*, 49(1), pp. 13–33.

PEER-REVIEWED CONFERENCE PAPERS

2025c O'Flaherty, T. F., Elmokadem, M. B., Xu, X., Manjunatha, K. N., Roma, G., Xenakis, G., **Xambó, A.**, (accepted) "Sonification Mappings for Sensing Tree Stress: A DIY Approach". *Proceedings of the Web Audio Conference 2025 (WAC 2025)*. Ircam/Mozilla, Paris, France.

2025b **Xambó, A.**, Roma, G. (2025) "Building a Dataset of Personal Live Coding Style Using MIRLCaProxy: A Journal of Creative Sonic Exploration under Constraints and Biases". *Proceedings of the International Conference of Live Coding (ICLC 2025)*. Barcelona, Spain.

2025a O'Flaherty, T. F., Marino, L., Saitis, C., **Xambó, A.** (2025) Sonicolour: Exploring Colour Control of Sound Synthesis with Interactive Machine Learning. Proceedings of the New Interfaces for Musical Expression.

2024 Zheng, S., Del Sette, B.M., Saitis, C., **Xambó, A.**, Bryan-Kinns, N. (2024) "Building Sketch-to-Sound Mapping with Unsupervised Feature Extraction and Interactive Machine Learning". *Proceedings of the New Interfaces for Musical Expression (NIME '24)*. Utrecht, The Netherlands.

2023 Champlin, A., Chicau, J., Corfiel, M., Knotts, S., Marie, M., Saladino, I., **Xambó, A.** (2023) "LivecoderA Community Report" (Community Report Paper). *Proceedings of the International Conference of Live Coding (ICLC 2023)*. Utrecht, The Netherlands.

2022 **Xambó, A.**, Goudarzi, V. (2022) "The Mobile Audience as a Digital Musical Persona in Telematic Performance". *Proceedings of the New Interfaces for Musical Expression (NIME '22)*. Waipapa Taumata Rau, Aotearoa / The University of Auckland, New Zealand.

2021 **Xambó, A.**, Roma, G., Roig, S., Solaz, E. (2021) "Live Coding with the Cloud and a Virtual Agent". *Proceedings of the New Interfaces for Musical Expression (NIME '21)*. Shanghai, China.

2020b **Xambó, A.**, Roma, G. (2020) "Performing Audiences: Composition Strategies for Network Music using Mobile Phones". *Proceedings of the New Interfaces for Musical Expression (NIME '20)*. Birmingham, UK. pp. 55–60.

2020a Jawad, K., **Xambó, A.** (2020) "How to Talk of Music Technology: An Interview Analysis Study of Live Interfaces for Music Performance among Expert Women". In *Proceedings of the International Conference on Live Interfaces (ICLI 2020)*. Trondheim, Norway. pp. 41–47.

2019b **Xambó, A.**, Støckert, R., Jensenius, A.R. and Saue, S. (2019) "Facilitating Team-Based Programming Learning with Web Audio". In *Proceedings of the Web Audio Conference 2019 (WAC '19)*. Trondheim, Norway. pp. 2–7. *Best Paper Award*.

2019a **Xambó, A.**, Saue, S., Jensenius, A.R., Støckert, R., Brandtsegg, Ø. (2019) "NIME Prototyping in Teams: A Participatory Approach to Teaching Physical Computing". In *Proceedings of the New Interfaces for Musical Expression (NIME '19)*. Porto Alegre, Brazil. pp. 216–221.

2018f Roma, G., **Xambó, A.**, Green, O., Tremblay, P.A. (2018) "A Javascript Library for Flexible Visualization of Audio Descriptors". In *Proceedings of the Web Audio Conference (WAC '18)*. Berlin, Germany.

2018e Pauwels, J., **Xambó, A.**, Roma, G., Barthet, M. Fazekas, G. (2018) "Exploring Real-time Visualisations to Support Chord Learning with a Large Music Collection". In *Proceedings of the Web Audio Conference (WAC '18)*. Berlin, Germany.

2018d **Xambó, A.**, Pauwels, J., Roma, G., Barthet, M. Fazekas, G. (2018) "Jam with Jamendo: Querying a Large Music Collection by Chords from a Learner's Perspective". In *Proceedings of Audio Mostly*

2018: Sound in Immersion and Emotion (AM '18). Wrexham, United Kingdom.

2018c **Xambó, A.** (2018) "Who Are the Women Authors in NIME?—Improving Gender Balance in NIME Research". In *Proceedings of the New Interfaces for Musical Expression (NIME '18)*. Blacksburg, Virginia, USA. pp. 174–177.

2018b **Xambó, A.**, Roma, G., Lerch, A., Barthet, M., Fakekas, G. (2018) "Live Repurposing of Sounds: MIR Explorations with Personal and Crowdsourced Databases". In *Proceedings of the New Interfaces for Musical Expression (NIME '18)*. Blacksburg, Virginia, USA. pp. 364–369.

2018a Weisling, A., **Xambó, A.**, Olowe, I., Barthet, M. (2018) "Surveying the Compositional and Performance Practices of Audiovisual Practitioners". In *Proceedings of the New Interfaces for Musical Expression (NIME '18)*. Blacksburg, Virginia, USA. pp. 344–345.

2017d **Xambó, A.**, Shah, P., Roma, G., Freeman, J., Magerko, B. (2017) "Turn-taking and Chatting in Collaborative Music Live Coding". *Nominee for Best Paper Award.* In *Proceedings of the Audio Mostly Conference (AM '17)*. London.

2017c Roma, G., **Xambó, A.**, Freeman, J. (2017) "Handwaving: Gesture Recognition for Participatory Mobile Music". In *Proceedings of the Audio Mostly Conference (AM '17)*. London.

2017b Roma, G., **Xambó, A.**, Freeman, J. (2017) "Loop-aware Audio Recording for the Web". In *Proceedings of the Web Audio Conference 2017 (WAC '17)*. London.

2017a **Xambó, A.**, Drozda, B., Weisling, A., Magerko, B., Huet, M., Gasque, T., Freeman, J. (2017) Experience and Ownership with a Tangible Computational Music Installation for Informal Learning. In *Proceedings of the Tangible, Embedded, and Embodied Interaction Conference (TEI '17)*. Yokohama, Japan. pp. 351–360.

2016c Moore, R., Edwards, D., Freeman, J., Magerko, B., McKlin, T., **Xambó, A.** (2016). "EarSketch: An Authentic, STEAM-Based Approach to Computing Education". In *Proceedings of the 2016 American Society for Engineering Education Annual Conference & Expo.* New Orleans, Louisiana.

2016b Freeman, J., Magerko, B., Edwards, D., Miller, M., Moore, R., **Xambó, A.** (2016). "Using EarSketch to Broaden Participation in Computing and Music". In *Proceedings of the 13th Sound and Music Computing Conference (SMC 2016)*. Hamburg, Germany. pp. 156–163.

2016a **Xambó, A.**, Freeman, J., Magerko, B., Shah, P. (2016). "Challenges and New Directions for Collaborative Live Coding in the Classroom". In *Proceedings of the International Conference on Live Interfaces (ICLI 2016)*. Brighton, UK. pp. 65–73.

2014 **Xambó, A.**, Roma, G., Laney, R., Dobbyn, C. and Jordà, S. (2014). "SoundXY4: Supporting Tabletop Collaboration and Awareness with Ambisonics Spatialisation". In *Proceedings of the International Conference on New Interfaces for Musical Expression 2014 (NIME '14)*. London. pp. 249–252.

2013 Bogdanov, D., Haro, M., Fuhrmann, F., **Xambó, A.**, Gómez, E. and Herrera, P. (2013). "A Content-based System for Music Recommendation and Visualization of User Preferences Working on Semantic Notions". In *IEEE 9th International Workshop on Content-Based Multimedia Indexing (CBMI '13)*. Madrid. pp. 249–252.

2012 Roma, G., **Xambó, A.**, Herrera, P. and Laney, R. (2012). "Factors in human recognition of timbre lexicons generated by data clustering". In *Proceedings of the 9th Sound and Music Computing Conference (SMC 2012)*. Copenhagen, Denmark. pp. 23–30.

2011c **Xambó, A.**, Laney, R., Dobbyn, C. and Jordà, S. (2011). "Multi-touch Interaction Principles for Collaborative Real-time Music Activities: Towards a Pattern Language". In *Proceedings of the International Computer Music Conference (ICMC '11)*. Huddersfield, UK. pp. 403–406.

2011b **Xambó, A.**, Laney, R. and Dobbyn, C. (2011). "TOUCHtr4ck: Democratic Collaborative Music". In *Proceedings of the Tangible, Embedded, and Embodied Interaction Conference (TEI '11)*. Funchal, Madeira. pp. 309–312.

2011a Milne, A. J., **Xambó, A.**, Laney, R., Sharp, D. B., Prechtl, A. and Holland, S. (2011). "Hex Player — A Virtual Musical Controller". In *Proceedings of the International Conference on New Interfaces for Musical Expression (NIME '11)*. Oslo, Norway. pp. 244–247.

2010b Laney, R., Dobbyn, C., **Xambó, A.**, Schirosa, M., Miell, D., Littleton, K. and Dalton, N. (2010). "Issues and Techniques for Collaborative Music Making on Multi-touch Surfaces". In *Proceedings*

of the 7th Sound and Music Computing Conference (SMC 2010). Barcelona. pp. 146–153.

2010a   Haro, M., **Xambó, A.**, Fuhrmann, F., Bogdanov, D., Gómez, E. and Herrera, P. (2010). "The Musical Avatar: A Visualization of Musical Preferences by means of Audio Content Description". In *Proceedings of the 5th Audio Mostly Conference (AM '10)*. Piteå, Sweden.

2008   Roma, G. and **Xambó, A.** (2008). "A Tabletop Waveform Editor for Live Performance". In *Proceedings of the International Conference on New Interfaces for Musical Expression (NIME '08)*. Genoa, Italy.

PEER-REVIEWED ABSTRACTS WITH PROCEEDINGS

2022b   Roma, G., **Xambó, A.** (2022). "shreds". In *Proceedings of the Web Audio Conference 2022 (WAC '22)*. Cannes, France.

2022a   Goudarzi, V., **Xambó, A.** (2022). "Ear to Waipapa Taumata Rau". In *Proceedings of the New Interfaces for Musical Expression (NIME '22)*. Waipapa Taumata Rau, Aotearoa / The University of Auckland, New Zealand.

2021b   **Xambó, A.** (2021). "Live Coding with Crowdsourced Sounds and A Virtual Agent Companion". In *Proceedings of the Web Audio Conference 2021 (WAC '21)*. Barcelona, Spain.

2021a   **Xambó, A.** (2021). "A Live Coding Session With the Cloud and a Virtual Agent". In *Proceedings of the New Interfaces for Musical Expression (NIME '21)*. Shanghai, China.

2019b   Brandtsegg, Ø., **Xambó, A.**, Engum, T., Bergsland, A., Waadeland, C.H. (2019). "Trondheim EMP Repository processing". In *Proceedings of the Web Audio Conference 2019 (WAC '19)*. Trondheim, Norway. pp. 161–162.

2019a   Støckert, R., Jensenius, A.R., **Xambó, A.**, Brandtsegg, Ø. (2019). "A Case Study in Learning Spaces for Physical-Virtual Two-Campus Interaction". In *Proceedings of the European University Information Systems (EUNIS). Dørup Award-winning paper.*
Brandtsegg, Ø., **Xambó, A.**, Engum, T., Bergsland, A., Waadeland, C.H. (2019). "Trondheim EMP Repository processing". In *Proceedings of the Web Audio Conference 2019 (WAC '19)*. Trondheim, Norway. pp. 161–162.

2018b   Skach, S., **Xambó, A.**, Turchet, L., Stolfi, A., Stewart, B., Barthet, M. (2018). "Embodied Interactions with E-Textiles and the Internet of Sounds for Performing Arts". In *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction (TEI '18)*. Stockholm, Sweden. pp. 80–87.

2018a   Weisling, A., **Xambó, A.** (2018). "Beacon: Exploring Physicality in Digital Performance". In *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction (TEI '18)*. Stockholm, Sweden. pp. 586–591.

2017a   **Xambó, A.**, Roma, G. (2017). "Hyperconnected Action Painting". In *Proceedings of the Web Audio Conference 2017 (WAC '17)*. London.

2016c   Tsuchiya, T., **Xambó, A.**, Freeman, J. (2016). "Adapting DAW-driven Musical Language to Live Coding: A Case Study in EarSketch". In *Late-Breaking Demo of the Second International Conference on Live Coding (ICLC '16)*. Hamilton, Canada.

2016b   **Xambó, A.**, Lerch, A., Freeman, J. (2016). "Learning to Code Through MIR". In *Extended Abstracts for the Late-Breaking Demo Session of the 17th International Society for Music Information Retrieval Conference (ISMIR 2016)*. New York.

2016a   Roma, G., **Xambó, A.**, Freeman, J. (2016). "Do the Buzzer Shake". In *Proceedings of the International Conference on Live Interfaces (ICLI 2016)*. Brighton, UK. pp. 315–316.

2015   Freeman, J., Magerko, B., Edwards, D., Moore, R., McKlin, T., **Xambó, A.** (2015). "EarSketch: A STEAM Approach to Broadening Participation in Computer Science Principles". In *Proceedings of the IEEE Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT '15)*. Charlotte, NC. pp. 109–110.

2014   **Xambó, A.**, Jewitt, C., and Price, S. (2014). "Towards an Integrated Methodological Framework for

Understanding Embodiment in HCI". In *Proceedings of the Extended Abstracts on Human Factors in Computing Systems (CHI '14)*. Toronto. pp. 1411–1416.

Position & Workshop Papers

2025 **Xambó, A.**, Batchelor, P., Marino, L., Roma, G., Bell, M., Xenakis, G. (accepted) "Soundscape-based music and creative AI: Insights and promises". *UK AI Research Symposium (UKAIRS '25)*, 8-9 September 2025, Newcastle, UK.

2025 **Xambó, A.** (2025) "Live Coding a Chorale of Sounds Using MIRLCa: State of Affairs and Implications". *SuperCollider Symposium 2025*. Johns Hopkins University. Washington D.C., USA.

2024b Marino, L., **Xambó, A.** (2024) "Developing DIY Solar-Powered, Off-Grid Audio Streamers for Forest Soundscapes: Progress and Challenges". Proceedings of CHIME 2024. OU, Milton Keynes, UK.

2024a Zheng, S., **Xambó, A.**, Bryan-Kinns, N. (2024) "A Mapping Strategy for Interacting with Latent Audio Synthesis Using Artistic Materials". 2nd International Workshop on eXplainable AI for the Arts (XAIxArts). ACM Creativity and Cognition Conference. Chicago, IL, US.

2020 Fasciani, S., Jensenius, A.R., Støckert, R., **Xambó, A.** (2020) "The MCT Portal: An Infrastructure, a Laboratory and a Pedagogical Tool". Researchers' Colloquium on Low Latency Streaming in Music Learning and Teaching. Royal Conservatoire of Scotland, Glasgow, UK.

2017 **Xambó, A.**, Roma, G., Shah, P., Freeman, J., Magerko, B. (2017) "Computational Challenges of Co-creation in Collaborative Music Live Coding: An Outline". 2017 Co-Creation Workshop at the International Conference on Computational Creativity. Atlanta, GA, USA.

2012 **Xambó, A.**; Laney, R.; Dobbyn, C. and Jordà, S. (September 11, 2012). "Towards a Taxonomy for Video Analysis on Collaborative Musical Tabletops". In *BCS HCI 2012 Workshop on Video Analysis Techniques for HCI*. Birmingham, UK.

2011 **Xambó, A.**; Laney, R.; Dobbyn, C. and Jordà, S. (July 4, 2011). "Collaborative Music Interaction on Tabletops: An HCI Approach"'. In *BCS HCI 2011 Workshop on When Words Fail: What can Music Interaction tell us about HCI?*. Newcastle Upon Tyne.

Dissertation

2015 **Xambó, A.** (2015). "Tabletop Tangible Interfaces for Music Performance: Design and Evaluation". PhD thesis. The Open University. Milton Keynes, UK.

Reports & Working Papers

2008 **Xambó, A.** (2008). "Interfaces for Sketching Musical Compositions". Master thesis. Unpublished. UPF. Barcelona, Spain

2004 **Xambó, A.**, Martos, E. (2004). "Crossmedia Infantil: Estudi sobre les noves tecnologies i la comunicació audiovisual a l'escola infantil i primària" (Report of New Technologies and Audiovisual Communication in the Primary Education). Report. Unpublished. Supported by Fundació Caixa de Sabadell. In collaboration with UB. Barcelona, Spain.

Book Reviews & Endorsements

2022 (July 20, 2022). Book Endorsement of *"The Body in Sound, Music and Performance Studies in Audio and Sonic Arts." Edited By Linda O Keeffe, Isabel Nogueira. Focal Press / Routledge."*

2021 (December 22, 2021). "Book Review: *Thor Magnusson, Sonic Writing: Technologies of Material, Symbolic, and Signal Inscriptions. New York: Bloomsbury Academic, 2019. ISBN: 9781501313851. DOI: https://doi.org/10.5040/9781501313899*". *Organised Sound*, 26:3, pp. 430–433.

Talks, Panels & Oral Presentations

2025c   KEYNOTE SPEAKER (May 28, 2025). "Liveness as an open work: an ongoing live-coding algorithmic journey". *International Conference on Live Coding 2025*. Universitat Oberta de Catalunya (UOC). Barcelona, Spain.

2025b   ORAL PRESENTER (ONLINE) (March 13, 2025). "Live Coding a Chorale of Sounds Using MIRLCa: State of Affairs and Implications". *SuperCollider Symposium 2025*. Johns Hopkins University. Washington D.C., USA.

2025a   INVITED TALK (ONLINE) (February 28, 2025). "Intersecting Sonic Arts & Computing: A Portfolio Journey". *Music Engineering Forum*. University of Miami. Miami, FL, USA.

2024f   INVITED TALK (ONLINE) together with Marino, L. (October 23, 2024). "Sensing the Forest: Lessons learned from our artistic-acoustic intervention at the Alice Holt Forest". *Master in Acoustics and Musicology*. Aix-Marseille Université. Marseille, France.

2024e   INVITED TUTORIAL (September 3, 2024). "Tutorial #1 – Design strategies and techniques to better support collaborative, egalitarian and sustainable musical interfaces". *DAFx 24*. University of Surrey. Guildford, UK.

2024d   PANEL MEMBER (June 13, 2024). "We are the music makers...AI & Music Forum" (Sonar+D) with Anna Xambó (C4DM-QMUL), Magda Polo (UB EKHO), Rob Clouth, Sergi Jordà (UPF), and Thor Magnusson (Intelligent Instruments Lab). Moderated by Günseli Yalcinkaya (Dazed). Curated by Antònia Folguera (Sonar+D). Powered by S+T+Arts. *AI & Music Forum*, Sonar Festival, Barcelona, Spain.

2024c   INVITED TALK (April 24, 2024). "In the search for sound-based music using MIRLCa, a SuperCollider extension for live coding a coral of sounds". *NOTAM SuperCollider Meetup with James Harkins and Anna Xambó*. Online.

2024b   PANEL MEMBER (April 12, 2024). "The Development and Application of AI in Music" with Dr Anna Xambó Sedó, Dr Geraint A. Wiggins, Dr Oded Ben-Tal and Dr Robin Laney. Moderated by Dr. Sven-Amin Lembke. *Sound of Tomorrow*. Anglia Ruskin University's Helmore Recital Hall, Cambridge, UK.

2024a   INVITED TALK (January 24, 2024). "Reflections on the use of CC sounds in creative computing". *Research Forum. CeReNeM: Centre for Research in New Music*. University of Huddersfield. Huddersfield, UK.

2023f   PANEL MEMBER (ONLINE) (December 16, 2023). "AI in performance" with Thor Magnusson, Federico Visi, Anna Xambó. Moderated by Norbert Schnell. *AI in Music - Agency, Performance, Production and Perception*. University of Music Trossingen/KISS project, Trossingen, Germany / online.

2023e   PANEL MEMBER (ONLINE) (December 15, 2023). "AI and ethics" with Artemi Gioti, Genoël Von Lilienstern, Gerard Roma, Rujing Stacy Huang, Anna Xambó. Moderated by Norman Müller. *AI in Music - Agency, Performance, Production and Perception*. University of Music Trossingen/KISS project, Trossingen, Germany / online.

2023d   INVITED TALK (October 25, 2023). "In the search for epistemological cross-pollination between forest research, HCI and SMC". *CHIME network*. Online.

2023c   KEYNOTE SPEAKER (November 14, 2023). "From NIME to NISE: Rethinking the design and evaluation of musical interfaces". *Audio Developer Conference 2023 (ADC23)*. London, UK.

2023b   INVITED TALK/WORKSHOP (ONLINE) (June 7, 2023). "About NIMEs, NIMEing and Speculative Futures". *Creative Technologies II*. Creative Technologies Master's Program, Film Universität Babelsberg Konrad Wolf, Potsdam, Germany.

2023a   INVITED TALK/WORKSHOP (March 3, 2023). "About NIMEs, NIMEing and Speculative Futures". *Introduction to Making Digital Music Instruments*. LEADD:NG, University of Nottingham, Nottingham, UK.

2022g   PANEL MEMBER (ONLINE) (December 13, 2022). "Music creation" with Rob Clouth (music creator),

Marcelo Estrella (lawyer - Across Legal), Antònia Folguera (curator - SONAR), Anna Xambó (researcher and music creator - Institute of Sonic Creativity, DeMontfort University). Moderated by Sergi Jordà and Karma Peiró. *Challenges and Opportunities in Music Tech - Open Debate.* Universitat Pompeu Fabra, Barcelona, Spain / online.

2022f INVITED TALK/WORKSHOP (December 8, 2022). "Machine listening and machine learning using MIRLC/a". *Computer Programming for Musicians.* Department of Performing Arts, School of Communication and Creativity, City, University of London, UK.

2022e INVITED TALK (November 11, 2022). "HCI meets AI in Live Coding: A Practitioner's Perspective". *Symposium Technoscientific Practices of Music; New Technologies, Instruments and Agents.* Oodi, Helsinki, Finland. [video]

2022d INVITED TALK (ONLINE) (October 26, 2022). "Designing networked algorithmic music performances - Creative coding as practice-led research". Computational Music for All, GTCMT, Georgia Tech, Atlanta, GA, USA.

2022c ORAL PRESENTER (ONLINE) together with Goudarzi, V. (June 30, 2022). "The Mobile Audience as a Digital Musical Persona in Telematic Performance". *NIME '22. Waipapa Taumata Rau, Aotearoa / The University of Auckland*, New Zealand. [video]

2022b INVITED TALK (ONLINE) (May 27, 2022). "Betwixt and Between Sound-Based Music and Sound Design". *Sound Design(ed) Futures: new realities, spaces, technologies.* Université Gustave Eiffel, Champs-sur-Marne, France. [video]

2022a INVITED TALK (ONLINE) (April 25, 2022). "Data-Driven Sound-Based Music". Music-data seminar series. *AHRC Datasounds, datasets and datasense: Unboxing the hidden layers between musical data, knowledge and creativity.* The University of York. York, UK. [video]

2021h KEYNOTE SPEAKER (ONLINE) (July 5, 2021). "Grassrouters Music Performance: Past, Present and Future Directions of Grassroots & Decentralised Organisation Structures for Network Music Performance". *Web Audio Conference 2021 (WAC 2021).* Barcelona, Spain. [video]

2021g ORAL PRESENTER (ONLINE) together with Jawad, K. (June 19, 2021). "Challenging the Status Quo - WoNoMute". *Féminisme - Musique - Technologie / Rencontre ManiFeste-2021.* Centre Wallonie-Bruxelles, Paris, France. [video]

2021f ORAL PRESENTER (ONLINE) (June 15, 2021). "Live Coding with the Cloud and a Virtual Agent". *NIME '21. NYU Shanghai*, Shanghai, China. [video]

2021e ORAL PRESENTER (ONLINE) (May 21, 2021). "Audience engagement in musical performances through on-site and online networks". *Computer Networks meet Music Instruments.* COSY Colloquium, Faculty of Computer Science, University of Vienna. Vienna, Austria.

2021d PANEL MEMBER (ONLINE) (May 6, 2021). "Session 3: Musical performance & education with AI" with Rafael Ramírez (Universitat Pompeu Fabra), George Waddell (Royal College of Music), Anna Xambó (De Montfort University), Luisa Pereira (New York University), Enric Guaus (Escola Superior de Música de Catalunya), Alia Ahmed Morsi (Universitat Pompeu Fabra) and moderated by Sergio Giraldo (Universitat Pompeu Fabra). *ARTIFICIA Festival.* Barcelona, Spain. [video]

2021c ORAL PRESENTER (ONLINE) (April 29, 2021). "Insights Into MIRLCAuto: A Virtual Agent for Music Information Retrieval in Live Coding". *Coding Literacy, Practices and Cultures / Colloquium.* University of Magdeburg, Germany, and Film University KONRAD WOLF in Potsdam Babelsberg, Germany.

2021b PANEL MEMBER (ONLINE) (April 16, 2021). "MusicLab 6: Human-Machine Improvisation" with Stefania Serafin (Aalborg University), Anna Xambó Sedó (De Montfort University), Nanette Nielsen (RITMO) and the performers, Christian Winther and Dag Erik Knedal Andersen, moderated by Alexander Refsum Jensenius (RITMO). *RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion.* Oslo, Norway. [video]

2021a ORAL PRESENTER (ONLINE) (February 23, 2021). "Live Coding Using Crowdsourced Sounds and a Virtual Agent". *ATLAS Seminar / Colloquium.* University of Colorado Boulder, Boulder, CO, USA.

2020c ORAL PRESENTER (ONLINE) (October 6, 2020). "From Tabletop Tangible Interfaces to Virtual Agents in Live Coding: Five Years of Research in Progress". *IUPUI MAT PhD seminar.* Department of Music

and Arts Technology, Purdue School of Engineering and Technology, Indiana University–Purdue University Indianapolis, Indianapolis, IN, USA.

2020b ORAL PRESENTER (ONLINE) (September 21, 2020). "Virtual Agents in Live Coding: Preliminary Investigations". *Meetup for Women in Arts and Technology*. NOTAM, Oslo, Norway.

2020a KEYNOTE SPEAKER (ONLINE) (June 24, 2020). "Collaborative/Participatory Music Experiences: A Dialogue Between SMC and HCI". *Sound and Music Computing Conference 2020 (SMC 2020)*. Torino, Italy. [video]

2019d ORAL PRESENTER (December 5, 2019). "Facilitating Team-Based Programming Learning with Web Audio". *WAC '19*. *NTNU*, Trondheim, Norway.

2019c ORAL PRESENTER (November 22, 2019). "Research as Practice / Practice as Research: Real-time Algorithmic Music Experiences and Women in Music Technology". *NOTAM*, Oslo, Norway.

2019b ORAL PRESENTER together with Jawad, K. and Shrestha, S. (June 20, 2019). "International joint Master's programme in Music, Communication & Technology: A master for technological humanists". *MA Creative Technologies*. *Filmuniversität Babelsberg Konrad Wolf*, Potsdam, Germany.

2019a ORAL PRESENTER (July 5, 2019). "NIME Prototyping in Teams: A Participatory Approach to Teaching Physical Computing". *NIME '19*. Centro cultural, Universidade Federal do Rio Grande do Sol (UFRGS), Porto Alegre, Brazil.

2018j PANEL MEMBER. (November 21, 2018). *Panel: Women in Music Technology around the World* with Nela Brown (FLO), Magdalena Chudy (FLO), Liz Dobson (YSWN), Ada Mathea Hoel (WoNoMute), Léa Ikkache (WiMT), Tuna Pase (FLO), Franziska Schroeder (FLO), Ariane Stolfi, (Sonora) Sonia Wilkie (FLO) and Anna Xambó (WoNoMute, WiMT). Sonic Arts Research Center, Queen's University Belfast. Belfast, Northern Ireland.

2018i PANEL MEMBER. (November 15, 2018). *Panel: Future of the Music Industries* with Joe Lyske (chair, MXX), Jesper Skibsby (panelist, WARM), Nick Breen (panelist, Reed Smith) and Anna Xambó (panelist, NTNU). Resonate Music Conference 2018. Barras Art and Design (BAAD), Glasgow, Scotland, UK.

2018h PANEL MEMBER. (October 26, 2018). *Panel Session 3: Equality, Diversity, Gender* with Thomas Hilder (chair), Jill Diana Halstead Hjørnevik (panelist), Sunniva Skjøstad Hovde (panelist), Vivian Anette Lagesen (panelist), and Anna Xambó (panelist). Knowing Music – Musical Knowing: Cross disciplinary dialogue on epistemologies. International Music Research School 2018, NTNU. Dokkhuset, Trondheim, Norway.

2018g ORAL PRESENTER together with Pauwels, J. (September 19, 2018). "Exploring Real-time Visualisations to Support Chord Learning with a Large Music Collection". *WAC '18*. *Technische Universität Berlin*, Berlin, Germany.

2018f ORAL PRESENTER together with Pauwels, J. (September 14, 2018). "Jam with Jamendo: Querying a Large Music Collection by Chords from a Learner's Perspective". *AM '18*. The *University of Wrexham*, Wrexham, UK.

2018e ORAL PRESENTER. (July 12, 2018). "Audio Commons: Challenges and Opportunities of Using Online Repositories in Music Production and Performance". *Filmuniversität Babelsberg Konrad Wolf*. Potsdam, Germany.

2018d PANEL MEMBER. (July 4, 2018) *The Disturbing Discussion about Innovation* with Nicolas d'Alessandro (panelist), Tom Mitchell (panelist), Anna Xambó (panelist), and Matthias Strobel (moderator). Wallifornia MusicTech Hackathon. Liège, Belgium.

2018c PANEL MEMBER. (June 6, 2018) *Future, Democratization, and Globalization of NIMEs* with Onyx Ashanti (panelist), Peter Nyboer (panelist), Anna Xambó (panelist), Pamela Z (panelist) and R. Benjamin Knapp (moderator). NIME '18. Moss Arts Center: Anne and Ellen Fife Theatre. Blacksburg,

2018b VA, USA. ORAL PRESENTER. (June 6, 2018). "Who Are the Women Authors in NIME?—Improving Gender Balance in NIME Research". *NIME '18*. Virginia Tech, Blacksburg, Virginia, USA.

2018a ORAL PRESENTER. (April 21, 2018). "Live Repurposing of Crowdsourced Sounds: Challenges and Opportunities of Using Online Repositories in Music Performance". *Sonorities Symposium, Sonorities Festival*. Queen's University Belfast, Belfast, Northern Ireland.

2017   ORAL PRESENTER. (August 24, 2017). "Turn-taking and Chatting in Collaborative Music Live Coding". *AM '17*. London.

2016b   ORAL PRESENTER. (July 2, 2016). "Challenges and New Directions for Collaborative Live Coding in the Classroom". *ICLI 2016*. University of Sussex, Brighton, UK.

2016a   KEYNOTE SPEAKER. (April 22, 2016). "Anna Xambó and Liz Dobson in Conversation". *Women in Sound Women on Sound 2016: Educating girls in sound*, University of Lancaster. Lancaster, UK.

2015   LIGHTNING TALK SPEAKER. (August 14, 2015). "EarSketch: A STEAM Approach to Broadening Participation in Computer Science Principles". *RESPECT 2015*. Charlotte, NC. USA.

2014b   ORAL PRESENTER. (July 1, 2014). "SoundXY4: Supporting Tabletop Collaboration and Awareness with Ambisonics Spatialisation". *NIME '14*. Goldsmiths University, London.

2014a   ORAL PRESENTER. (April 30, 2014). "Let's Jam the Reactable: Peer Learning during Musical Improvisation with a Tabletop Tangible Interface". *CHI '14*. Toronto, ON, Canada.

2013   ORAL PRESENTER. (November 11, 2013). "Tabletop Tangible Interfaces for Music Performance and Implications for Tabletop Research". *School of Computing*, University of Kent. Kent, UK.

2011b   ORAL PRESENTER. (August 2, 2011). "Multi-touch Interaction Principles for Collaborative Real-time Music Activities: Towards a Pattern Language". *ICMC '11*. University of Huddersfield. Huddersfield, UK.

2011a   ORAL PRESENTER. (July 4, 2011). "Collaborative Music Interaction on Tabletops: An HCI Approach". *BCS HCI 2011 Workshop on When Words Fail: What can Music Interaction tell us about HCI?*. Newcastle Upon Tyne, UK.

2010   ORAL PRESENTER. (July 23, 2010). "Issues and Techniques for Collaborative Music Making on Multitouch Surfaces". *SMC '10*. Universitat Pompeu Fabra, Barcelona.

2008c   PANEL MEMBER together with Alsina, A., Ferrete, J. and Roma, G. (October 31, 2008). "Freesound, Sons de Barcelona y Freesound Radio: Proyectos colaborativos alrededor del sonido" (Freesound, Sons de Barcelona & Freesound Radio: Collaborative Projects around sound). *IV Cicle de Converses d'Antropologia Sonora*, Institució Milá i Fontanals (CSIC). Barcelona.

2008b   PANEL MEMBER together with Alsina, A., Ferrete, J. and Roma, G. (2008). "Freesound.org, Freesound Radio i Sons de Barcelona" (Freesound.org, Freesound Radio & Sons de Barcelona"). *Facultat de Belles Arts (Faculty of Fine Arts)*, Universitat de Barcelona. Barcelona.

2008a   PANEL MEMBER together with Alsina, A., de Jong, B., Loscos, A. and Roma, G. (September 27, 2008). "Influencia de la tecnología en la evolución de la música y la industria" (Influence of the technology in the evolution of music and industry). *NetAudio*, CCCB. Barcelona. [video]

2007   ORAL PRESENTER together with Roma, G. (September 20, 2007). "A Sound Editor with a Tangible Interface". *SCSymposium(2007)*, DCM, The Hague, The Netherlands.

Own Institution

2024   ORAL PRESENTER. (March 13, 2024). "Collaborative, Participatory and Practice-based Research Methods for Sound and Music Computing". *CogSci seminar*. Queen Mary University of London. London, UK.

2024   ORAL PRESENTER. (February 22, 2024). "Sound and Music Computing Goes Wild: From Communities to Ecosystems". *AIM Forum*. Centre for Digital Music. Queen Mary University of London. London, UK.

2023b   PANEL MEMBER together with Adewole, F., Ferril, S., Kasumovic, M. (November 29, 2023). "Practice Research Roundtable Discussion". Online panel discussion moderated by Alissa Clarke and Rosie Garton. DMU, Leicester, UK.

2023a   ORAL PRESENTER together with Batchelor, P. (November 29, 2023). "The Sensing the Forest project". *IOCT5007 Research Methods for Creative Projects*. DMU, Leicester, UK.

2022b   ORAL PRESENTER. (December 7, 2022). "Music performance with crowdsourced sounds: collaboration by chance". *MUST5001 Aesthetics and Ideas in the Sonic Arts*. DMU, Leicester, UK.

2022a   ORAL PRESENTER. (June 8, 2022). "Future Research Leaders 2022 Showcase". DMU, Leicester, UK.

2021 ORAL PRESENTER. (November 10, 2021). "Music performance with crowdsourced sounds: collaboration by chance". *MUST5001 Aesthetics and Ideas in the Sonic Arts.* DMU, Leicester, UK.

2020 ORAL PRESENTER. (November 25, 2020). "Music performance with crowdsourced sounds: collaboration by chance". *MUST5001 Aesthetics and Ideas in the Sonic Arts.* DMU, Leicester, UK.

2019c ORAL PRESENTER together with Jensenius, A., Jawad, K. and Aandahl, E. (May 23, 2019). "International joint Master's programme in Music, Communication & Technology". *Instituttseminar for sosiologi og statsvitenskap.* NTNU Department of Sociology and Political Science, Rockheim, Trondheim, Norway.

2019b ORAL PRESENTER. (March 25, 2019). "Summary of my research and teaching 2018-2019". *Faglig Forum.* Music Technology, NTNU, Trondheim, Norway.

2019a ORAL PRESENTER together with Jawad, K. and Lesteberg, M. (January 31, 2019). "Women Nordic Music Technology". *Girls Geek Dinner Trondheim.* Music Technology, NTNU, Trondheim, Norway.

2018c LIGHTNING TALK SPEAKER. (September 28, 2018). "Challenges and Opportunities of Collaborative Music Live Coding: A Practitioner's Approach". *The Raw and The Cooked, Inter/sections 2018.* Café 1001, London, UK.

2018b ORAL PRESENTER. (August 13, 2018). "Women in Music Tech: A Case Study". *Oppstartseminar (Institutt for musikk).* Dokkhuset, Trondheim, Norway.

2018a ORAL PRESENTER. (August 13, 2018). "A Journey Through My Research and Creative Practice". *Oppstartseminar (Institutt for musikk).* Dokkhuset, Trondheim, Norway.

2017b ORAL PRESENTER. (June 19, 2017). "Computational Challenges of Co-creation in Collaborative Music Live Coding: An Outline". *CCW2017: Co-Creation Workshop, ICC 2017.* Atlanta, GA, USA.

2017a PANEL MEMBER together with Ikkache, L. (May 4, 2017). "Women in Music Tech 2016–2017". Oral presentation and discussion. *GTCMT*, Geogia Tech, Atlanta, GA, USA.

2016d LIGHTNING TALK SPEAKER. (November 2, 2016). "Tangible User Interfaces and Tabletops". *First Annual Women and Music Tech Concert and Reception*, The Garage, Atlanta, GA. USA.

2016c PANEL MEMBER together with Ikkache, L. and Jackson, D. (May 5, 2016). "Women in Sound." Oral presentation and discussion. *GTCMT*, Geogia Tech, Atlanta, GA, USA.

2016b ORAL PRESENTER. (February 25, 2016). "Algorithmic Composition: My Personal Journey". Oral presentation as a guest speaker in Jason Freeman's *Computer Music Composition* class. GTCMT, Georgia Tech, Atlanta, GA, USA.

2016a ORAL PRESENTER. (January 26, 2016). "EarSketch: Computational Music Remixing for All". Oral presentation as a guest speaker in Barbara Ericson's *Educational Technology* class. College of Computing, Georgia Tech, Atlanta, GA, USA.

2015c ORAL PRESENTER. (September 3, 2015). "Musical Tabletops: Challenges and Opportunities for Computer-Supported Collaborative Music and HCI". *College of Architecture Research Forum*, Georgia Tech. Atlanta, GA, USA.

2015b ORAL PRESENTER. (August 27, 2015). "Musical Tabletops: Challenges and Opportunities for Computer-Supported Collaborative Music and HCI". *GVU Center Brown Bag Seminar Series*, Georgia Tech, Atlanta, GA, USA. [video]

2015a ORAL PRESENTER. (August 24, 2015). "Musical Tabletops: Challenges and Opportunities for Computer-Supported Collaborative Music and HCI". *GTCMT Seminar Series*, Georgia Tech, Atlanta, GA, USA.

2014 ORAL PRESENTER. (April 9, 2014). "Let's Jam the Reactable: Peer Learning During Musical Improvisation with a Tabletop Tangible Interface". *London Knowledge Lab*, London.

2013 ORAL PRESENTER. (June 2, 2013). "Tabletop Groupware for Music Performance: Design and Evaluation". *CRC PhD Student Conference 2013*, OU, Milton Keynes, UK.

2012 ORAL PRESENTER. (June 12, 2012). "Collaboration on Interactive Tabletops for Music Performance: An Exploratory Study". *CRC PhD Student Conference 2012*, OU, Milton Keynes, UK.

2011b ORAL PRESENTER. (June 16, 2011). "Tabletop Groupware for Music Performance: Design and Evaluation". *CRC PhD Student Conference 2011*, OU, Milton Keynes, UK.

2011a ORAL PRESENTER. (May 17, 2011). "Tabletop Groupware for Music Performance: Design and Evaluation". *2011 Doctoral Workshops Conference*, OU, Milton Keynes, UK.

2010b   ORAL PRESENTER. (June 8, 2010). "Issues and Techniques for Collaborative Music Making on Multi-touch Surfaces". *CRC PhD Student Conference 2010*, OU, Milton Keynes, UK.

2010a   ORAL PRESENTER. (May, 2010). "Issues and Techniques for Collaborative Music Making on Multi-touch Surfaces". *Music Research Day*, Music Research Studio, OU, Milton Keynes, UK.

Poster Presentations, Demos & Workshops

POSTER PRESENTATIONS & DEMOS

2025   POSTER PRESENTER together with Roma, G. (May 29, 2025) "Building a Dataset of Personal Live Coding Style Using MIRLCaProxy: A Journal of Creative Sonic Exploration under Constraints and Biases". *Proceedings of ICLC 2025.* Barcelona, Spain.

2021   POSTER PRESENTER (ONLINE) (June 15, 2021). "Live Coding with the Cloud and a Virtual Agent". *NIME '21. NYU Shanghai*, Shanghai, China.

2020   POSTER PRESENTER (ONLINE) (July 23, 2020). "Performing Audiences: Composition Strategies for Network Music using Mobile Phones". *NIME '20.* Birmingham, UK.

2018b   POSTER PRESENTER together with Roma, G. (June 7, 2018). "Live Repurposing of Sounds: MIR Explorations with Personal and Crowdsourced Databases". *NIME '18.* Blacksburg, Virginia, USA.

2018a   DEMO PRESENTER together with Skach, S. (March 19, 2018). "Embodied Interactions with E-Textiles and the Internet of Sounds for Performing Arts". *TEI '18.* Stockholm, Sweden.

2017c   POSTER PRESENTER. (June 22, 2017). Authors: Weisling, A. and Xambó, A. "Constructing a Conceptual Framework for Collaborative Audiovisual Performance". *ICCC '17.* Atlanta, GA, USA.

2017b   POSTER PRESENTER. (June 22, 2017). Authors: Weisling, A., Xambó, A., Magerko, B., Roma, G., Jacob, M., Bhanu, N., and Freeman, J. "TuneTable: A Tangible Computational Music Installation for Informal Learning". *ICCC '17.* Atlanta, GA, USA.

2017a   POSTER & DEMO PRESENTER. (March 21, 2017). "Experience and Ownership with a Tangible Computational Music Installation for Informal Learning". *TEI '17.* Yokohama, Japan.

2016b   POSTER & DEMO PRESENTER. (August 11, 2016). "Learning to Code Through MIR". *Late-Breaking Demo Session of ISMIR 2016.* New York.

2016a   POSTER & DEMO PRESENTER together with Roma, G. (July 2, 2016). "Do the Buzzer Shake". *ICLI 2016.* Brighton, UK.

2015   POSTER & DEMO PRESENTER together with McKlin, T. (August 14, 2015). "EarSketch: A STEAM Approach to Broadening Participation in Computer Science Principles". *RESPECT 2015.* Charlotte, NC. USA.

2014   POSTER PRESENTER together with Price, S. (April 29, 2014). "Towards an Integrated Methodological Framework for Understanding Embodiment in HCI". *CHI '14.* Toronto, ON. [video]

2012   DEMO PRESENTER. (January 10, 2012). "Tangible Additive Sound Synthesis (TASS)". *Welcome to the French Embassy*, OU. Milton Keynes, UK.

2011d   POSTER PRESENTER. (June 17, 2011). "Designing and Evaluating Interactive Systems: Musical Tabletops for Collective Music Performance". *CRC PhD Student Conference 2011*, OU. Milton Keynes, UK.

2011c   POSTER & DEMO PRESENTER together with Milne, A. J. (May 30, 2011). "Hex Player — A Virtual Musical Controller". *NIME '11.* Oslo, Norway.

2011b   POSTER PRESENTER. (March 8, 2011). "Designing and Evaluating Interactive Systems: Musical Tabletops for Collective Music Performance". *OU Poster Competition 2011.* Milton Keynes, UK.

2011a   POSTER PRESENTER. (January 25, 2011) "TOUCHtr4ck: Democratic Collaborative Music". *TEI '11.* Funchal, Madeira.

2010b   POSTER PRESENTER. (December 21, 2010). Xambó, A., Laney, R., Dobbyn, C., Jordà, S. "Multi-touch Interaction Techniques for Collaborative Music Activities". *DMRN+5: Digital Music Research Network One-day Workshop 2010*, Queen Mary, University of London. London.

2010a   POSTER PRESENTER. (June 8, 2010). "Issues and Techniques for Collaborative Music Making on Multi-touch Surfaces". *CRC PhD Student Conference 2010*, OU. Milton Keynes, UK.

2008b Poster Presenter. (June 9–11, 2010). "Interfaces for Sketching Musical Compositions". *SMC Summer School 2008*. Genoa, Italy.

2008a Poster Presenter together with Roma, G. (June 6, 2008). "A Tabletop Waveform Editor for Live Performance". *NIME '08*. Genoa, Italy.

Workshops

2023 **Xambó, A.** (March 3, 2023). "Situatedness meets live coding: A NIME approach". Invited Talk / Workshop. *Introduction to Making Digital Music Instruments*. LEADD:NG, University of Nottingham, Nottingham, UK.

2022b **Xambó, A.** (December 8, 2022). "Machine listening and machine learning using MIRLC/a". Invited Talk/Workshop. *Computer Programming for Musicians*. Department of Performing Arts, School of Communication and Creativity, City, University of London, UK.

2022a (January 29-30, 2022). "Live taming free sounds" in collaboration with Iván Paz. On-the-Fly Live Coding Hacklab. European Union's "Creative Europe" program. ZKM, Karlsruhe, Germany.

2021d Pardue, L., Martínez, J., **Xambó, A.**, Cavdir, D., Almeida, I. and Bin, A. (June 14, 2021). "Actions We Can Take to Improve Diversity and Inclusivity at NIME". Online workshop. *NIME '21*, Shanghai, China.

2021c **Xambó, A.**, Roig, S. (January 25/27/29, 2021). "Performing With a Virtual Agent: Machine Learning for Live Coding". Online workshop. *Leicester Hackspace*, Leicester, UK.

2021b Pardue, L., Martínez, J. and **Xambó, A.** (January 14, 2021). "NIME Diversity Workshop". Online workshop.

2021a **Xambó, A.**, Roig, S. (January 11/13/15, 2021). "Performing With a Virtual Agent: Machine Learning for Live Coding". Online workshop. *l'ull cec*, Barcelona, Spain.

2020c **Xambó, A.**, Roig, S. (December 7/9/11, 2020). "Performing With a Virtual Agent: Machine Learning for Live Coding". Online workshop. *IKLECTIK*, London, UK.

2020b **Xambó, A.** (September 25, 2020). "Creative Audio Programming for the Web with Tone.js". Online workshop. *Women Who Code* workshop series, School of Media Arts, Columbia College Chicago, IL, USA.

2020a Jensenius, A.R., McPherson, A., **Xambó, A.**, Martin, C., Armitage, J., Granieri, N., Fiebrink, R., Naveda, L. (July 21, 2020). "NIME Publication Ecosystem Workshop". Online workshop. *NIME '20*. Birmingham, UK.

2019c **Xambó, A.** (June 20–21, 2019). "Creative Audio Programming for the Web". Workshop. *Filmuniversität Babelsberg Konrad Wolf*, Potsdam, Germany. Organized by MA Creative Technologies (Module 5 Audiovisual Application Design).

2019b Jensenius, A.R., McPherson, A., **Xambó, A.**, Overholt, D., Pellerin, G., Bukvic, I.I., Fiebrink, R., Schramm, R. (June 3, 2019). "Open Research Strategies and Tools in the NIME Community". *NIME '19*. Workshop. Centro cultural, UFRGS, Porto Alegre, Brazil.

2019a Allik, A., **Xambó, A.** (January 16, 2019). "Musical Networks of Live Coders". Workshop. *International Conference on Live Coding 2019*, Medialab Prado, Madrid, Spain.

2018b **Xambó, A.** (July 12–13, 2018). "Creative Audio Programming". Workshop. *Filmuniversität Babelsberg Konrad Wolf*, Potsdam, Germany. Organized by MA Creative Technologies.

2018a Allik, A., **Xambó, A.** (April 7–8, 2018). "Collaborative Network Music". Workshop. *Rewire 2018*, The Hague, The Netherlands. Organized by Music Hackspace. Funded by Rewire.

2017 **Xambó, A.** (October 14, 2017). "Huddersfield Girl Geeks: Audiovisual Creative Coding with P5.js". Workshop. *Kirklees Libraries*, Huddersfield, UK. Funded by Google.

2013 **Xambó, A.** (May 2, 2013). "Introduction to SuperCollider". Workshop. *Music Computing Meeting*, OU. Milton Keynes, UK.

2012 **Xambó, A.**; Roma, G. and Bovermann, T. (April 15, 2012). "Tangible Musical Interfaces with SuperCollider". Workshop. *SuperCollider Symposium 2012*, Goldsmiths, University of London. London.

2016 **Xambó, A.** (October 28, 2016). "Debugging with EarSketch". GTCMT, Georgia Tech, Atlanta, GA, USA.

Discography

Solo Albums

2023 Anna Xambó. *detuning a tuning* [FLAC/MP3 files]. Barcelona/Kettering: Carpal Tunnel.
2018 Anna Xambó. *H2RI* [FLAC/MP3 files]. Chicago (IL, USA): pan y rosas discos.
2013 peterMann. *On the Go* [promo CD & FLAC/MP3 files]. Barcelona: Carpal Tunnel.
2011 peterMann. *init* [promo CD & FLAC/MP3 files]. Barcelona: Carpal Tunnel.

Group Albums

2021 Dirty Electronics Ensemble, Jon.Ogara, and Anna Xambó. *Dirty Dialogues* (live album) [FLAC/MP3 files]. Chicago (IL, USA): pan y rosas discos.
2019 Anna Weisling and Anna Xambó. *Beacon* (EP) [FLAC/MP3 files]. Barcelona: Carpal Tunnel.
1999 La Más Fina. *Zande Phondex*. Promo [CD]. Barcelona: Apache Productions.
1996 La Más Fina. *Como quien dice la hoja iberia extrafina*. Promo [Cassette]. Barcelona: Self-released.
1994 Sosa's Cáustica. *Paraponera Clavata*. Promo [Cassette]. Barcelona: Murmur Town.

Participation in Compilations

2023 Anna Xambó. "mnnw (extract)" (3 min 56 sec) in *LOLtrax001* [Cassette]. LOL Editions.
2023 Anna Xambó. "Kicks & Cuts" (2 min 21 sec) in *f:p podcast episode 128_Ana Maria Romano G.* [Podcast]. female:pressure podcast.
2020b Anna Xambó. "Magnets" (4 min 21 sec) in *Compassion Through Algorithms Vol. II* [WAV/MP3 files]. Sheffield: Light Entries.
2020a Anna Xambó. "Poème Symphonique For Tape Metronome: Variation I" (5 min 38 sec) in *In Unison* [WAV/MP3 files]. Brussels: i.u.
2019 Anna Xambó. "Kicks & Cuts" (2 min 21 sec). in *10th Anniversary Festival en Tiempo Real - WoNo-Mute Playlist* [WAV file].
2018 peterMann. "n02-petermann" (11 min 10 sec). in *Noiselets* [FLAC/MP3 files]. Barcelona: Carpal Tunnel.
2016 peterMann. "Go wild y'all" (1 min). in *Microtopies 2016* [MP3 files]. Barcelona: Gracia Territori Sonor.
2015 peterMann. "ldnsktch01" (1 min). In *Microtopies 2015* [MP3 files]. Barcelona: Gracia Territori Sonor.
2010 peterMann. "init11" (3 min 29 sec). In *Electronic music from Catalonia 2010* [CD]. Barcelona: Catalan! Arts / Sonar, Barcelona.

Broadcasting

2024 Anna Xambó's "mnnw". (January 23, 2024). Fractal Meat On A Spongy Bone.
2023b Anna Xambó's "traces", "residual", "triads" & "clock". (April 24, 2023). Framework radio #842.
2023a Anna Xambó's "traces". (February 13, 2023). TOPLAP w QBRNTHSS & Loopier (13.02.23). TOPLAP on Dublab.es. Barcelona, Spain.
2021c Dirty Electronics Ensemble, Jon.Ogara & Anna Xambó's "Dirty Dialogues". (November 8, 2021). Framework radio #776.
2021b Anna Xambó's "Magnets". (April 12, 2021). Two Foot Left (Mixcloud playlist). Sheffield Live!

Sheffield, UK.

2021a   Anna Xambó's "Magnets". (February 2, 2021). TOPLAP #2 w/ hangar.org (Ramon Casamajó). Audio Formal on Dublab.es. Barcelona, Spain.

2020   Anna Xambó's "Magnets". (November 9, 2020). Sleepsang - Hyperobjects w/ Sleepsang (Mixcloud playlist). Sheffield, UK.

2019   Anna Xambó's "Footsteps". Feminatronic #161 - Your 2019 Playback and More (SoundCloud playlist).

2018c   Anna Xambó's "H2RI.01-04". (June 21, 2018). Rare Frequency on WZBC 90.3 FM Newton Boston College Radio. Boston, MA, USA.

2018b   Anna Xambó's "H2RI.011". (June 10, 2018). NILUCCIO ON NOISE. Podcast #154 (May 2018).

2018a   Anna Xambó's "H2RI.07". (May 17, 2018). No Pigeonholes EXP on KOWS-FM.

2013f   peterMann's "og02". (July 28, 2013). BiP_HOp Generation on Radio Grenouille.

2013e   peterMann's "og01", "og05", "og07" & "og09". (June 23, 2013). Framework radio #426.

2013d   peterMann's "og01". (March 28, 2013). Rare Frequency on WZBC 90.3 FM Newton Boston College Radio. Boston, MA, USA.

2013c   peterMann's "og01" & "og10". (March 2, 2013). Onda Sonora.

2013b   peterMann's selection of *On The Go*'s tracks. (February 3, 2013). RNE Atmósfera. Madrid, Spain.

2013a   peterMann's "og02". (February 2, 2013). Störung Radio 127 on ScannerFM. Barcelona, Spain.

2010b   peterMann's "init 10–12". (December 18, 2010). Onda Sonora.

2010a   peterMann's "init 2". (April 12, 2010). Sismógrafo.

Performances

SOLO PERFORMANCES

2025b   **Xambó, A.** (November, 2025). "Sensing the Alice Holt Forest". *Web Audio Conference 2025 (WAC 2025)*. Ircam/Mozilla, Paris, France.

2025a   **Xambó, A.** (May 29, 2025). "Sensing the Alice Holt Forest". *International Conference of Live Coding (ICLC 2025)*. Barcelona, Spain.

2023   **Xambó, A.** (November 30, 2023). "(un)pack". *I2MT Inaugural Concert*, University of Nottingham, Nottingham, UK.

2023   **Xambó, A.** (June 14, 2023). "Ceci n'est pas une usine". *+RAIN Film Fest*, Universitat Pompeu Fabra/Sonar+D, Barcelona, Spain.

2022e   **Xambó, A.** (November 27, 2022). A live coding session using MIRLCa at "Performing Critical AI I: feedback, noise, corpus, code". MusAI conference, Cafe OTO, London, UK.

2022d   **Xambó, A.** (September 16, 2022). "When virtual meets reality". *British Science Festival*, LCB Depot, Leicester, UK.

2022c   **Xambó, A.** (March 19, 2022). "Make Noise Not War (live coding session)". *Algorave 10th Birthday Party*. Online event. Streaming from Sheffield, UK.

2022b   **Xambó, A.** (March 11, 2022). "detuning a tuning (live coding piece)". *BEAST @ Centrala: Anna Xambó Sedó, Milad K. Mardakheh*. Centrala, Birmingham, UK.

2022a   **Xambó, A.** (March 8, 2022). "Algonoise feat. Olympe de Gauges (live coding session)". *LIVE-CODERA a global live coding community gathering on International Women's Day*. Online event. Streaming from Sheffield, UK.

2021e   **Xambó, A.** (November 10, 2021). "Magnets (live coding piece)". *Concert PACE 1 Live Music from MTI2. Works by Simon Emmerson, Anna Xambó Sedó, John Richards, and Leigh Landy*. Electroacoustic Music Studies 2021. Leicester, UK.

2021d   **Xambó, A.** (July 6, 2021). "Live Coding with Crowdsourced Sounds and A Virtual Agent Companion". *WAC 21*. Barcelona, Spain. Online event. Streaming from Sheffield, UK.

2021c   **Xambó, A.** (June 17, 2021). "A Live Coding Session With the Cloud and a Virtual Agent". *NIME 21*. Shanghai, China. Online event. Streaming from Sheffield, UK.

2021b   **Xambó, A.** (May 6, 2021). "Sonic Haikus". *ARTIFICIA Festival*. Online event. Barcelona, Spain.

2021a   **Xambó, A.** (February 21, 2021). "They Are the Robots: a live coding session". *Transnodal TOPLAP*. Online event. Streaming from Sheffield, UK.

2020e   **Xambó, A.** (December 12, 2020). "A live coding session". *Similar Sounds: A Virtual Agent in Live Coding*. IKLECTIK, London. Online event. Streaming from Sheffield, UK.

2020d   **Xambó, A.** (November 14, 2020). "A live coding session in binaural audio". *Sound Junction Satellites: Live Coding & 3-D Sound – Online Live Stream.* University of Sheffield Concerts/Algomech, Sheffield, UK. Online event. Streaming from Sheffield, UK.

2020c   **Xambó, A.** (July 17, 2020). "A Live Coding Exploration of How the Network Sounds". *Network Music Festival 2020.* Streaming from Sheffield, UK.

2020b   **Xambó, A.** (March 22, 2020). "Crowdsourced Eulerisms". *Eulerroom Equinox 2020.* Streaming from Sheffield, UK.

2020a   **Xambó, A.** (February 28, 2020). "A situated live coding session". *MTI Concert* celebrating 20 years of Music, Technology and Innovation at DMU with current and past staff and PhD alumni. PACE 1, Leicester, UK.

2019   **Xambó, A.** (January 18, 2019). "Live coding with crowdsourced sounds & a drum machine". *International Conference on Live Coding*, Medialab Prado, Madrid, Spain.

2018d   **Xambó, A.** (November 24, 2018). "A session on participatory mobile music and live coding using crowdsourced sounds". *NTNU Research Concert.* Dokkhuset. Trondheim, Norway.

2018c   **peterMann.** (September 28, 2018). "Live coding session". *The Raw, Inter/sections 2018.* Café 1001. London, UK.

2018b   **Xambó, A.** (September 19, 2018). Audience device participation piece. "Imaginary Berlin". *WAC 18.* Factory Berlin. Berlin, Germany.

2018a   **Xambó, A.** (August 9, 2018). Live. "MareNostrum". *Cube Fest.* Moss Arts Center. Blacksburg, VA, USA.

2017   **peterMann**. (January 8, 2017). Live coding session. *Noiselets: A Noise Music Microfestival.* Freedonia, Barcelona, Spain.

2016b   **Xambó, A.** (April 22, 2016). Live coding with EarSketch. *Women in Sound Women on Sound 2016: Educating girls in sound.* Jack Hylton Music Room, University of Lancaster. Lancaster, UK.

2016a   **peterMann**. (April 22, 2016). Live. *Women in Sound Women on Sound 2016: Educating girls in sound.* Jack Hylton Music Room, University of Lancaster. Lancaster, UK.

2013   **Xambó, A.** (October 4, 2013). Live coding session. *Perspectives on Multichannel Live Coding.* PHONOS. Sala Polivalent, UPF. Barcelona, Spain.

2012   **peterMann.** (September 20, 2012). Live. *Crispy Crunchy Creaky.* Niu. Barcelona, Spain.

2006   **peterMann.** (June 10, 2006). Live. *5a Mostra Sonora i Visual | Convent Sant Agustí.* Barcelona, Spain.

Collaborative Performances

2022d   Roma, G., **Xambó, A.** (July 6, 2022). "shreds". *Web Audio Conference (WAC '22).* Université Côte d'Azur, Cannes, France

2022c   Roma, G., **Xambó, A.** (June 21, 2022). "shreds" (online performance). *International Conference on Live Interfaces (ICLI '22).* Lisboa, Portugal.

2022b   Goudarzi, V., **Xambó, A.** (June 11, 2022). "immerse in the lake 2.0" (hybrid performance). *Symphony Center.* Chicago, USA.

2022a   Goudarzi, V., **Xambó, A.** (May 19, 2022). "Ear to Waipapa Taumata Rau" (online performance). *New Interfaces for Musical Expression (NIME '22).* Waipapa Taumata Rau, Aotearoa / The University of Auckland, New Zealand.

2021c   **Xambó, A.**, Goudarzi, V. (November 21, 2021). "immerse in the lake" (online performance). *Jefferson Park EXP.* Chicago, IL, USA. Streaming from Sheffield, UK.

2021b   Goudarzi, V., **Xambó, A.** (September 24, 2021). "Livesourcing: Audience Participation in a Live Coding Performance" (online performance). *Ear Taxi Festival.* Chicago, IL, USA. Streaming from

Sheffield, UK.

2021a Dirty Electronics Ensemble, Jon.Ogara, and **Xambó, A.** (May 17, 2021). "Dirty Dialogues". PACE, De Montfort University, Leicester, UK.

2020 Schroeder, F., Meireles, M., Mannone, M., Papadomanolaki, M., Brown, N., Stolfi, A., Alarcón, X., **Xambó, A.** (July 28, 2020). "Absurdity" (telematic performance by the Female Laptop Orchestra (FLO)). *Physically Distant #2: More Online Talks on Telematic Performance.* Streaming from Sheffield, UK.

2019 Brandtsegg, Ø., **Xambó, A.**, Engum, T., Bergsland, A., Waadeland, C.H. (December 4, 2019). "Trondheim EMP Repository processing". *WAC 2019.* Rockheim, Trondheim, Norway.

2018e Brown, N., Chudy, M., Dobson, L., Hoel, A.M., Ikkache, L., Pase, T., Schroeder, F., Stolfi, A., Wilkie, S., **Xambó, A.** (November 22, 2018). "Transmusicking II". Sonic Arts Research Center, Queen's University Belfast. Belfast, Northern Ireland.

2018d Martin, C.M., Lesteberg, M., Jawad, K., Aandahl, E., **Xambó, A.** (August 29, 2018). "Stillness during Tension". *MCT Open Seminar.* MCT Portal, NTNU / UiO, Trondheim / Oslo.

2018c Martin, C.M., **Xambó, A.**, Visi, F., Morreale, F., Jensenius, A.R. (June 5, 2018). "Stillness during Tension". *NIME '18.* Moss Arts Center: Anne and Ellen Fife Theatre. Blacksburg, VA, USA.

2018b Weisling, A., **Xambó, A.** (June 5, 2018). "Beckon". *NIME '18.* Moss Arts Center: Anne and Ellen Fife Theatre. Blacksburg, VA, USA.

2018a Weisling, A., **Xambó, A.** (March 20, 2018). "Beacon". *TEI '18.* Kulturhuset. Stockholm, Sweden.

2017d Brown, N., Chudy, M., Papadomanolaki, M., Wilkie, S., Pase, T., Stolfi, A., Schroeder, F., **Xambó, A.**, Ikkache, L., Freeman, J., Ganesh, S., Kerure, A., Narang, J., Tsuchiya, T. (August 25, 2017). "Transmusicking I". *AM '17.* Oxford House Theatre. London, UK.

2017c **Xambó, A.**, Roma, G. (August 21, 2017). "Hyperconnected Action Painting". *WAC 2017.* Oxford House Theatre. London, UK.

2017b Weisling, A., **Xambó, A.** (May 16, 2017). "Beacon". *NIME 2017.* Stengade. Copenhagen, Denmark.

2017a Weisling, A., **Xambó, A.** (February 11, 2017). "Beacon". *Root Signals Festival 2017.* Georgia Southern University. Statesboro, Georgia, United States.

2016b Roma, G., **Xambó, A.**, Freeman, J. (November 2, 2016). Do the Buzzer Shake. *The First Annual Women in Music Tech: Concert and Reception.* The Garage. Atlanta, GA, USA.

2016a Roma, G., **Xambó, A.**, Freeman, J. (July 1, 2016). "Do the Buzzer Shake". *ICLI 2016.* St Mary's Church, Kemptown, Brighton, UK.

2012 pulso (Roma, G., **Xambó, A.**). (March 15, 2012). Live coding session. *Live Coding Sessions.* Niu. Barcelona, Spain.

2004 pulso (Roma, G., **Xambó, A.**). (May 29, 2004). Live. *Minima Festival.* Gandía, Spain.

2002 b4ng (Roma, G., **Xambó, A.**, Brugos, Clarens). (June 13, 2002). Live. *Sonar Festival.* Barcelona, Spain.

Mastering (other's work)

2022 *Ana y las Romanoides (o de las telepatías transaurales)* [FLAC/MP3 files] by Ana María Romano G. Barcelona/Sheffield: Carpal Tunnel.

2018 *Noiselets* [FLAC/MP3 files] by Various Artists (scmute, peterMann, Martin Hug, Faraldo, 0001, Miquel Parera, Urge to Kill). Barcelona: Carpal Tunnel.

Other Creative Products

Awarded Music Hacks

2014 "crowdj". *Music Hack Day.* Barcelona, Spain.
Prize: Rdio prize.

Role: Concept, part of the implementation and user interface design.
Collaborator: Gerard Roma.

2012b "Soundscape Turntablism". *Music Hack Day*. Barcelona, Spain.
Prize: Reactable prize, Zvooq prize.
Role: Concept, part of the implementation and tangible user interface design.
Collaborator: Gerard Roma.

2012a "Soundscape DJ". *Music Tech Fest*. London, UK.
Prize: Warp Records prize.
Role: Concept, part of the implementation and tangible user interface design.
Collaborator: Gerard Roma.

Code

2023–present Sensing the Forest: github.com/sensingtheforest.
Role: Concept and implementation.

2022–2023 personic: github.com/axambo/personic.
Role: Concept and implementation.

2020–present MIRLCa: github.com/axambo/MIRLCa | github.com/mirlca/code.
Role: Concept and implementation.

2019–present MIRLC 2.0.
Role: Concept and implementation.

2018b Embedded AudioCommons: github.com/AudioCommons/embedded-audiocommons.
Role: Concept and implementation.

2018a HCI Python Utils: github.com/axambo/hci-python-utils.
Role: Concept and implementation.

2017–present WACastMix: annaxambo.me/code/WACastMix.
Role: Concept and implementation.

2016–2019 MIRLC: github.com/axambo/MIRLC.
Role: Concept and implementation.

2017b HAP: github.com/axambo/HAP.
Role: Concept and implementation.

2017a Beacon: github.com/axambo/beacon.
Role: Concept and implementation of the audio engine.

2016 Algonoise.: github.com/axambo/algonoise.
Role: Concept and implementation.

2014 SoundXY4: The Art of Noise: github.com/axambo/soundxy4.
Role: Concept, implementation and tangible user interface design.

2012 SoundXY: github.com/axambo/soundxy2.
Role: Concept, implementation and tangible user interface design.

Video Creations & Animation Films

2003 Xambó, A. *Cosmogonias* (3 min). Spain. Video creation | Animation film.
2002b Xambó, A. *b.scope* (3 min). Spain. Video creation.
2002a Xambó, A. *Transdata Pr.* (5 min). Spain. Video creation.
2000 Xambó, A. *clubsfera* (3 min). Spain. Video creation | Animation film.
1999 Xambó, A. *Mitösöma* (10 min). Spain. Video creation | Animation film.
1998c Xambó, A. *Lufthansa* (3 min). Spain. Videoclip for La Más Fina.
1998b Xambó, A. *Neila* (2 min). Spain. Video creation.
1998a Xambó, A. *Sueños* (1 min). Spain. Video creation | Animation film.

09/2002   *I love Japan*, Fake Industries, Circuit Festival, Barcelona.
Role: Visuals.
Collaborators: Urtzi Grau (director), Emma Dünner, Jorge Meneses, Ana Otero.

03/2002–08/2002   *Astoria (cinema & restaurant)*, Barcelona.
Role: Co-filming and visuals.
Collaborators: Babylon Cannes (concept).

09/2001   *Eme3density, Second Architectural Market*, Centre de Cultura Contemporània de Barcelona (CCCB), Barcelona.
Role: Visuals & Flash programming.
Collaborators: Urtzi Grau (curator), Ana Otero (artistic director).

Teaching & Coordination

GRADUATE COURSES

01/2025   Course: *ECS637U/ECS757P Digital Media and Social Networks 2024/25*. # Students: ∼206.
Master/undergraduate course. Queen Mary University of London, London, UK.
Role: Module organiser and Lecturer of a 15-credit course with three lecturers, two teaching assistants and 8 demonstrators.

09/2024   Course: *ECS742P Interactive Digital Multimedia Techniques*. # Students: ∼7.
Master course. Queen Mary University of London, London, UK.
Role: Lecturer of a 15-credit course with two lecturers and one demonstrator.

01/2024   Course: *ECS637U/ECS757P Digital Media and Social Networks 2023/24*. # Students: ∼274.
Master/undergraduate course. Queen Mary University of London, London, UK.
Role: Lecturer of a 15-credit course with two lecturers, two teaching assistants and 8 demonstrators.

10/2019   Course: *MCT4000 Music Communication and Technology*. # Students: ∼14.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.
Role: Coordination of a 15-credit course which includes 7 modules.

10/2019   Course: *MCT4000 Human-Computer Interaction Lectures (2nd edition)* (8 h). # Students: ∼14.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.
Role: Creation of syllabus, creation of content, instruction and assessment.

10/2019   Course: *MCT4000 Physical Computing Workshop (2nd edition)* (28 h). # Students: ∼14.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.
Role: Creation of syllabus, creation of content, instruction and assessment.

1/2019   Course: *MCT4046 Sonification and Sound Design* (58 h). # Students: ∼10.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.
Role: Creation of syllabus, creation of content, instruction, coordination of guest lectures, and assessment.

1/2019   Course: *MCT4048 Audio Programming* (58 h). # Students: ∼11.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and

Technology (NTNU), Trondheim, Norway.
Role: Creation of syllabus, creation of content, instruction and assessment.

10/2018 Course: *MCT4000 Human-Computer Interaction Lectures* (8 h). # Students: ∼15.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.
Role: Creation of syllabus, creation of content, instruction and assessment.

10/2018 Course: *MCT4000 Physical Computing Workshop* (28 h). # Students: ∼15.
Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.
Role: Creation of syllabus, creation of content, instruction and assessment.

UNDERGRADUATE COURSES

01/2025 Course: *ECS637U/ECS757P Digital Media and Social Networks 2024/25.* # Students: ∼206.
Master/undergraduate course. Queen Mary University of London, London, UK.
Role: Module organiser and Lecturer of a 15-credit course with three lecturers, two teaching assistants and 8 demonstrators.

01/2024–04/2024 Course: *ECS637U/ECS757P Digital Media and Social Networks 2023/24.* # Students: ∼274.
Master/undergraduate course. Queen Mary University of London, London, UK.
Role: Lecturer of a 15-credit course with two lecturers, two teaching assistants and 8 demonstrators.

10/2023–12/2023 Course: *MATT3000_2324 Research Project* (10 h). # Students: ∼25-30.
De Montfort University, Leicester, UK.
Role: Course leader, instruction, coordination and assessment.

10/2023–11/2023 Course: *MTEC2001_2324 Presentation & Promotion (DIY instrument design specialisation)* (24h). # Students: ∼7.
De Montfort University, Leicester, UK.
Role: Creation of content for lectures, labs, instruction and assessment.

05/2023–06/2023 Course: *MTEC1005_2223 Music Industry Practice* (42 h). # Students: ∼15–20.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures, instruction and assessment.

02/2023–03/2023 Course: *MTEC1003_2223 Sound Analysis & Synthesis* (14 h). # Students: ∼35–40.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures, instruction and assessment.

01/2023–04/2023 Course: *MATD2029 Digital Audio Electronics: Sensors & Interfaces* (30 h). # Students: ∼10.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures and labs, instruction and assessment.

12/2022–05/2023 Course: *MATT3002 Community Arts* (44 h). # Students: ∼10.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures and labs, instruction and assessment.

01/2022–04/2022 Course: *MATD3039 Advanced Musical Electronics* (36 h). # Students: ∼4.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures and labs, instruction and assessment.

10/2021–12/2021 Course: *MATD3009 Advanced Digital Signal Processing Music* (30 h). # Students: ∼4.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures and labs, instruction and assessment.

10/2021–12/2021 Course: *MATD2004 Further Digital Signal Processing* (30 h). # Students: ∼13.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures and labs, instruction and assessment.

01/2020–04/2021 Course: *MATD1019 Audio Electronics Fundamentals* (12 h). # Students: ∼10.
De Montfort University, Leicester, UK.

Role: Course leader, creation of content for lectures, instruction and assessment.

01/2021–04/2021   Course: *TECH3011 Studio Technology: Audio Electronics* (36 h). # Students: ∼16.
De Montfort University, Leicester, UK.
Role: Creation of content for lectures and labs, instruction and assessment.

10/2020–12/2020   Course: *MATD2004 Further Digital Signal Processing* (30 h). # Students: ∼14.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures, seminars and labs (blended teaching), instruction and assessment.

10/2020–12/2020   Course: *MATD2019 Further Audio Electronics* (10 h). # Students: ∼10.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures and seminars (blended teaching), instruction and assessment.

01/2020–04/2020   Course: *MATD1019 Audio Electronics Fundamentals* (12 h). # Students: ∼12.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures, instruction and assessment.

01/2020–04/2020   Course: *TECH2019 Audio Technology 2: Audio Electronics* (12 h). # Students: ∼16.
De Montfort University, Leicester, UK.
Role: Course leader, creation of content for lectures, instruction and assessment.

01/2020–04/2020   Course: *TECH3011 Studio Technology: Audio Electronics* (36 h). # Students: ∼16.
De Montfort University, Leicester, UK.
Role: Creation of content for lectures and labs, instruction and assessment.

02/2004–06/2004   Course: *Experimental Motion Graphics* (45 h). # Students: ∼15.
Centre de la Imatge i la Technologia Multimèdia, Universitat Politècnica de Catalunya, Terrassa, Barcelona.
Role: Co-creation of syllabus, creation of content, instruction and assessment.

10/2003–02/2004   Course: *Crossmedia* (45 h). # Students: ∼15.
BAU Escola de Disseny, Universitat de Vic, Barcelona.
Role: Co-creation of syllabus, creation of content, instruction and assessment.

11/2003–06/2004   Course: *Digital Compositing with Adobe AfterEffects* (45 h). # Students: ∼10.
Media Art Institute Fak d'Art, Barcelona.
Role: Creation of syllabus, creation of content, instruction and assessment.

11/2003–06/2004   Course: *Photography in Motion* (45 h). # Students: ∼10.
Media Art Institute Fak d'Art, Barcelona.
Role: Creation of syllabus, creation of content, instruction and assessment.

11/2003–06/2004   Course: *Type in Motion* (45 h). # Students: ∼10.
Media Art Institute Fak d'Art, Barcelona.
Role: Creation of syllabus, creation of content, instruction and assessment.

11/1999–06/2003   Course: *Computer Animation* (90 h). # Students: ∼15.
Media Art Institute Fak d'Art, Barcelona.
Role: Creation of syllabus, creation of content, instruction and assessment.

Professional Courses

04/2004–05/2005   Course: *Usability* (12 h). # Students: ∼5.
Crea Formación, Barcelona.
Role: Instruction.

04/2004–05/2005   Course: *Internet Design Techniques* (12 h). # Students: ∼5.
Crea Formación, Barcelona.
Role: Instruction.

04/2004–05/2005   Course: *Web Design with DreamWeaver* (24 h). # Students: ∼5.
Crea Formación, Barcelona.

Role: Instruction.

04/2004–05/2005 Course: *Multimedia Content with Adobe Flash* (16 h). # Students: ∼5.
Crea Formación, Barcelona.
Role: Instruction.

04/2004–05/2005 Course: *Flash Programming* (20 h) # Students: ∼5.
Crea Formación, Barcelona.
Role: Instruction.

04/2004–05/2005 Course: *Theoretical Aspects in Graphic Design* (12 h). # Students: ∼5.
Crea Formación, Barcelona.
Role: Instruction.

04/2004–05/2005 Course: *Video Edition with Adobe Premiere* (60 h) # Students: 1.
Crea Formación, Barcelona.
Role: Creation of syllabus, creation of content and instruction.

Preschool & Primary School Courses

03/2004–06/2004 Course: *Crossmedia infantil* (11 h). # Students (6–7 years old): ∼8.
Escola Magòria, Barcelona.
Role: Co-creation of syllabus, creation of content, instruction and assessment.

03/2004–05/2004 Course: *Crossmedia infantil* (9 h). # Students (9–10 years old): ∼15.
Escola Costa i Llobera, Barcelona.
Role: Co-creation of syllabus, creation of content, instruction and assessment.

03/2004–05/2004 Course: *Crossmedia infantil* (12 h). # Students (3–4 years old): ∼8.
Escola Glòries, Barcelona.
Role: Co-creation of syllabus, creation of content, instruction and assessment.

Supervision

PhD Students

10/2023–present 1st supervisor of Shuoyang Zheng. Topic: *Visual Explanations for Transparent and Understandable Neural Synthesiser Instruments.* AIM programme. C4DM-QMUL.

10/2023–present 2nd supervisor of Qiaoxi Zhang. Topic: *Multimodal AI for Musical Collaboration in Immersive Environments.* AIM programme. C4DM-QMUL.

08/2022–present 2nd supervisor of Sam Topley. DMU. Topic: *Craft-Focused Electronic Musical Instrument Building.*

11/2022–12/2023 2nd supervisor of Christopher Cousin. DMU.

04/2022–12/2023 2nd supervisor of Eva Kára. DMU.

Master Students

01/2025–present Supervisor of four master students: Xinyue Xu (MSc Sound and Music Computing, Queen Mary University of London); Andrés Sánchez Castrillón (MSc Artificial Intelligence, Queen Mary University of London); Tug O'Flaherty (MSc Sound and Music Computing, Queen Mary University of London); James Shortland (MSc Data Science and Artificial Intelligence, Queen Mary University of

07/2021–10/2021 London). Creative portfolio & short dissertation (master thesis) co-supervisor of Harri Bettsworth. Master thesis title: *"Exploring How Uncanny Sound Can Trigger Fear In Video Game".* Master programme: Music Technology and Innovation, DMU.

01/2020–07/2020 Master thesis supervisor of Karolina Jawad. Master thesis title: *"Gatekeepers by Design? Gender HCI for Audio and Music Hardware".* Master programme: Music Communication Technology, NTNU. Our publication at ICLI '20 (see Peer-Reviewed Conference Papers) and the work at WoNoMute have inspired this work.

01/2018–08/2018   Master thesis co-advisor of Tayjo Padmini Vaduru. Master thesis title: *"Moodscape Generator: Automated Generation of Soundscapes"*. Computer Science, QMUL.

09/2015–05/2016   Co-advisor of Marc Huet and Travis Gasque (master's students in Digital Media, School of Literature, Media, and Communication) and Anna Weisling (PhD student in Digital Media, School of LMC) for their graduate design project TuneTable. This work has been part of Brian Magerko's Digital Media studio course at Georgia Tech. From this work, we have published at TEI '17 (see Peer-Reviewed Conference Papers) and we have informed a successful and competitive NSF-funded grant (Advancing Informal STEM Learning Grant).

09/2015–05/2017   Co-advisor of Pratik Shah (master student in Human-Centered Computing, School of Interactive Computing) with the research and design on adding collaborative features to EarSketch, an online platform for learning code by making music. This work has been part of the design and development of the NSF-funded project EarSketch, led by Jason Freeman. From this work, we have published at the conferences ICLI '16 and AM '17, and also at the AES journal in 2018 (see Peer-Reviewed Conference Papers).

UNDERGRADUATE STUDENTS

10/2024–05/2025   Supervision of Amrina Kaur Virk. Topic: *ADHD-friendly study tool web application.* BSc Creative Computing programme. QMUL.

10/2024–05/2025   Supervision of Ning Liu. Topic: *MEMS microphones: finding the optimal solutions of recording in silent scenarios.* BSc(Eng)FT Electronic Engineering programme. QMUL.

10/2024–05/2025   Supervision of Stanley Raymond Parker. Topic: *Creating an affordable environmental monitoring system for residential use.* BSc Creative Computing programme. QMUL.

10/2024–05/2025   Supervision of Aleksander Skutnik. Topic: *Art, Unplugged: In the search of a sustainable off-grid power solution for immersive art installations.* BSc Computer Science programme. QMUL.

09/2022–06/2023   Supervision of two L6 undergraduate students in music technology for their *MATT3000 Research Project*: Leon Riley's *Leicester-verb: Acoustic footprints of Leicester spaces for creative reverb purposes* (Technical Research Project) and Ambrose Jnr Nwodoh's "The 'Cocktail Party Effect' – Exploring selective attention through Auditory Scene Analysis". DMU.

09/2021–06/2022   Supervision of two L6 undergraduate students in music technology for their *MATT3000 Research Project*: Abbey Young's *A Practice-based Analysis of Practical Workshops to Improve Gender Equality in Music Technology Education in the UK'* and Tolu Ikuyinminu's *Investigating the Positive and Negative Impacts of the 'UK Drill' Genre on Generation Z.* DMU.

Mentoring

08/2018–12/2019   Mentor and advisor of the members of the organization *WoNoMute*, including the co-chair and research assistant Karolina Jawad, and the research assistants Mari Lesteberg and Ane Bjerkan.

05/2016–12/2017   Mentor and advisor of the members of the co-founded student-led organization *Women in Music Tech*, including the chair of the organization, Léa Ikkache, the editor-in-chief of the newsletter Amruta Vidwans, and other organization members, such as Jyoti Narang.

Assessment

03/2025   Internal PhD examiner for Nicole Robson. PhD thesis title: *Human-Sound Interaction: The Relational Experience of (In)Audible Installation Art.* PhD degree in Media Arts and Technology; School of Electronic Engineering and Computer Science; Queen Mary University of London, UK.

12/2024   External PhD examiner for Aliénor Golvet (December 18, 2024). PhD thesis title: *Systèmes Musicaux Distribués: Concevoir des Outils Web pour la Recerche et la Practique Artistique (Distributed*

Music Systems: Designed Web-based Tools for Artistic Research and Practice). Programme: Ecole Doctorale d'Informatique, Télécommunications et Electronique. Sorbonne Université, Paris, France.

09/2024   External PhD examiner for Gabriel Montufar Gangotena (September 19, 2024). PhD thesis title: *A Portfolio of Compositions by Gabriel Montufar.* Department of Music, College of Arts and Law, The University of Birmingham. Birmingham, UK.

08/2024   External PhD examiner for CHEN Manni (August 14, 2024). PhD thesis title: *Between Noise and Structure: Artificial Intelligence and Humans in Music Production.* PhD programme: Creative Media. City University of Hong Kong, Hong Kong.

05/2024   Internal PhD examiner for Elizabeth Wilson (May 7, 2024). PhD thesis title: *Affective Live Coding: Fostering Human-Machine Collaboration with Autonomous Agents.* PhD programme: Media and Arts Technology. C4DM. School of EECS, QMUL, London, UK.

02/2023   External PhD examiner for António Ramires (February 9, 2023). PhD thesis title: *Automatic Characterization and Generation of Music Loops and Instrument Samples for Electronic Music Production.* PhD programme: Horizon 2020 MIP-Frontiers. Music Technology Group, Department of Information and Communication Technologies, Universitat Pompeu Fabra, Barcelona, Spain.

06/2022   External Master's thesis examiner for Stephen Gardener (June 24, 2022), Master thesis title: *"The Algorithmic Composition Explorer".* Master's programme: Music, Communication and Technology. Department of Musicology, University of Oslo, Norway.

05/2022   External PhD examiner for Alejandro Iván Paz Ortiz (May 3, 2022). PhD thesis title: *"On-the-fly Synthesizer Programming with Rule Learning".* PhD degree in Computing, Universitat Politècnica de Catalunya - BarcelonaTech. Barcelona, Spain.

02/2022   PhD review for Robin Foster (February 24, 2022), PhD programme: DMU. Leicester, UK.

09/2021   External PhD examiner for Joaquín Roberto Díaz Durán (October 27, 2021). PhD thesis title: *"Interfaz Cíborg: Dispositivo interactivo para reflexionar la relación arte, tecnología y cuerpo en la performance"* (*Cyborg interface: Interactive device to reflect on the relationship between art, technology and the body in performance*). PhD programme: Investigación en Humanidades, Artes y Educación (*Research in Humanities, Arts and Education*), Facultad de Bellas Artes de Cuenca, Universidad de Castilla - La Mancha, Spain.

09/2021   External PhD examiner for Jack Armitage (September 14, 2021). PhD programme: Media & Arts Technologies, Queen Mary University of London, UK. PhD thesis title: *"Subtlety and Detail in Digital Musical Instrument Design".*

02/2021   PhD review (midway assessment) for Sam Topley (February 24, 2021), PhD programme: DMU / Midlands4Cities. Leicester, UK.

05/2020   External assessor, IMV PhD Midway Assessment for Qichao Lan, Department of Musicology, Faculty of Humanities, University of Oslo, Norway.

08/2019   External MSc examiner for Torgrim Rudland Næss (August 29, 2019), Master thesis title: *"A Physical Intelligent Instrument Using Recurrent Neural Networks".* Department of Informatics, Faculty of Mathematics and Natural Sciences, University of Oslo, Norway.

11/2018–06/2019   Appraisal Committee Chair for Hilmar Thordarson (June 28, 2019), PhD thesis title: *"Condis–conducting Digital System Extended Role Of The Conductor in Mixed Music Performance".* Norwegian Programme for Artistic PhD Research, Norwegian Science and Technology University, Trondheim, Norway.

Additional Experience

CONCERTS CO-ORGANIZATION

2024   "IDMT Concert". (December 12, 2024). Performance lab, qMedia Studios, QMUL, London.

2017   "Noiselets: A Noise Music Microfestival". (January 8, 2017). Freedonia, Barcelona.

2016c   "The First Annual Women in Music Tech: Concert and Reception". (November 2, 2016). The Garage. Atlanta, GA, USA.

2016b "Audience device participation". (April 5, 2016). *Web Audio Conference 2016*, Georgia Tech. Atlanta, GA, USA.

2016a "Live coding and the audiovisual web". (April 4, 2016). *Web Audio Conference 2016*, Georgia Tech. Atlanta, GA, USA.

2013b "Perspectives on multichannel live coding". (October 4, 2013). PHONOS. Sala Polivalent, UPF. Barcelona.

2013a "Live Coding Sessions II". (March 22, 2013). Niu. Barcelona.

2012 "Live Coding Sessions". (March 15, 2012). Niu. Barcelona.

Blogging

09/2023–present Sensing the Forest, the website and blog of the research project *Sensing the Forest: Let the Forest Speak using the Internet of Things, Acoustic Ecology and Creative AI*. Creator, Coordinator and Author.

06/2020–2021 MIRLCAuto, the website and blog of the research project *MIRLCAuto: A Virtual Agent for Music Information Retrieval in Live Coding*. Creator and Author.

09/2018–12/2019 Women Nordic Music Technology, the website and blog of the WoNoMute organization. Co-Creator and Coordinator.

08/2018–12/2019 MCT master blog, the blog of the MCT master. Co-Creator and Co-Coordinator.

05/2017–07/2018 Audio Commons, the blog of the EU-funded project Audio Commons. Coordinator, Reviewer and Author.

10/2016–present Anna Xambó's Blog, the blog of my personal website. Creator and Author.

05/2016–12/2017 Women in Music Tech, the newsletter of the Women in Music Tech organization. Co-Creator, Coordinator, Reviewer and Author.

09/2013–08/2014 MIDAS's Blog, the research blog of the MIDAS project. Co-Creator, Coordinator and Author.

01/2010–12/2011 postWIMP, a blog on HCI and interaction design. Co-Creator, Coordinator and Author.

03/2006–03/2009 streeTypes, a blog on typography in public spaces. Creator and Author.

Artistic Collective Projects

2002 Co-Founder and Member of b4ng, a multidisciplinary collective in search of new forms of audiovisual communication. Barcelona.

1998–2000 Co-Founder and Member of the experimental video collective jesus13. Barcelona.

Professional Activities

Professional Organization Member

EECS Women in Higher Education Network (WHEN), QMUL.
Association for Computing Machinery (ACM).
International Computer Music Association (ICMA).

Membership of External Committees

01/2023–present Steering Committee Member, Live Interfaces Journal.

Academic Programme Leader

09/2020–09/2022 BSc Digital Music Technology Programme Leader, Leicester Media School, DMU.

01/2019–12/2019 MCT Programme Study Leader, Department of Music, NTNU.

01/2019–12/2019 MCT Programme Council Leader, Department of Music, NTNU/UiO.

Organisation Founder / Chair

08/2018-12/2019   Co-Founder & Chair. *Women Nordic Music Technology*, NTNU/UiO. Trondheim, Norway.

05/2016–09/2017   Co-Founder & Co-Chair. *Women in Music Tech*, GTCMT, Georgia Tech. Atlanta, GA, USA.

Fellow

2025–present   *Fellow of the Higher Education Academy*, United Kingdom.

2019–2025   *Associate Fellow of the Higher Education Academy*, United Kingdom.

08/2018–01/2019   *Visiting Lecturer*, C4DM, EECS, QMUL.

Officer / Consultant

2025   Diversity consultant. *Web Audio Conference 2025*. Ircam/Mozilla, Paris, France.

2022   Diversity consultant. *Web Audio Conference 2022*. Cannes, France.

2020   Diversity consultant. *2nd Conference on AI Music Creativity (MuMe + CSMC)*. Graz, Austria.

2019–2022   Women in NIME (WiNIME) Officer. *International Conference of New Interfaces for Musical Expression*.

Conference Academic Chair / Meta-Reviewer / Local Chair

2025c   Conference Paper Co-Chair. *Web Audio Conference 2025*. Ircam/Mozilla, Paris, France.

2025b   Conference Programme Committee Member (Meta-Reviewer). *New Interfaces for Musical Expression* (2025). The Australian National University, Ngunnawal and Ngambri Country (Canberra), Australia.

2025a   Conference Papers Committee Member. *International Conference on Live Coding* (2025). Barcelona, Spain.

2024   Conference Programme Committee Member (Meta-Reviewer). *New Interfaces for Musical Expression* (2024). Utrecht, Netherlands.

2023   Conference Programme Committee Member (Meta-Reviewer). *New Interfaces for Musical Expression* (2023). Mexico City, Mexico.

2022   Conference Programme Committee Member (Meta-Reviewer). *New Interfaces for Musical Expression* (2022). Auckland, New Zealand.

2021b   Conference Programme Committee Member (Associate Chair). *ACM Tangible, Embedded and Embodied Interaction 2022*. KAIST, Daejeon, Republic of Korea.

2021a   Conference Programme Committee Member (Meta-Reviewer). *New Interfaces for Musical Expression* (2021). Shanghai, China.

2020e   Conference Programme Committee Member (Associate Chair). *ACM Creativity & Cognition 2021*. Venice, Italy.

2020d   Conference Programme Committee Member (Associate Chair). *ACM Tangible, Embedded and Embodied Interaction 2021*. Salzburg, Austria.

2020c   Conference Session Chair ("Hardware and Software for SMC"). *Sound and Music Computing Conference*. Torino, Italy.

2020b   Conference Poster Co-Chair. *The 1st International Workshop on the Internet of Sounds*, 27th FRUCT Conference, University of Trento, Italy.

2020a   Conference Programme Committee Member (Meta-Reviewer). *New Interfaces for Musical Expression* (2020). Birmingham, UK.

2019g   Conference Local Committee Member. *International Conference on Live Interfaces 2020*. Trondheim, Norway.

2019f   Conference General Co-Chair. *Web Audio Conference 2019*. Trondheim, Norway.

2019e   Conference Programme Committee Member (Meta-Reviewer). *Web Audio Conference 2019*. Trondheim, Norway.

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2019d **CONFERENCE SESSION CHAIR** ("Mapping *&* Sound Generation"). *New Interfaces for Musical Expression 2019.* Porto Alegre, Brazil.

2019c **CONFERENCE PAPER CO-CHAIR.** *New Interfaces for Musical Expression 2019.* Porto Alegre, Brazil.

2019b **CONFERENCE PROGRAMME COMMITTEE MEMBER** (Associate Chair). *ACM Tangible, Embedded and Embodied Interaction 2020.* Sydney, Australia.

2019a **CONFERENCE PROGRAMME COMMITTEE MEMBER** (Associate Chair). *ACM Creativity *&* Cognition 2019.* San Diego, USA.

2018a **CONFERENCE PROGRAMME COMMITTEE MEMBER** (Associate Chair). *ACM Spatial User Interaction 2018.* Berlin, Germany.

2017d **CONFERENCE SESSION CHAIR.** *Web Audio Conference 2017.* London.

2017a **CONFERENCE LOCAL COMMITTEE MEMBER.** *International Conference on Computational Creativity 2017*, Georgia Tech. Atlanta, GA, USA.

2016 **CONFERENCE MUSIC/ARTWORKS CO-CHAIR.** *Web Audio Conference 2016*, Georgia Tech. Atlanta, GA, USA.

2011b **CONFERENCE SESSION CHAIR** ("Laptop/Coding/NI"). *International Computer Music Conference.* Huddersfield, UK.

2011a **CONFERENCE COMMITTEE MEMBER.** *CRC PhD Student Conference 2011*, OU. Milton Keynes, UK.

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CONFERENCE PROGRAMME COMMITTEE MEMBER (REVIEWER)

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2025b *UK AI Research Symposium 2025 (UKAIRS)* (2025).

2025a *2025 AES International Conference on Artificial Intelligence and Machine Learning for Audio (AES AIMLA)* (2025).

2023c *Algorithmic Pattern Salon* (2023).

2023b *International Symposium on Computer Music Multidisciplinary Research* (2023, 2025).

2023a–2025a *International Conference on Live Coding (ICLC)* (2023, 2025).

2022 *Music Heritage Knowledge Graphs (MHKG) (2022).*

2020b *Workshop on the Internet of Sounds* (2020).

2020a *Network Music Festival* (2020).

2019b *Workshop on Ubiquitous Music* (2020).

2019a–2021 *Audio Mostly* (2019, 2021).

2018 *ACM Special Interest Group on Computer GRAPHics and Interactive Techniques (SIGGRAPH)* (2018).

2018 International Conference of the Learning Sciences (2018).

2018–2025 *International Society for Music Information Retrieval Conference (ISMIR)* (2018–2025).

2017 *ACM Creativity and Cognition* (2017).

2017 *ACM Innovation and Technology in Computer Science Education* (2017).

2017 *Co-Creation Workshop at International Conference on Computational Creativity* (2017).

2017–2018 *International Computer Music Conference – ICMC Music* (2017, 2018).

2016, 2020 *International Conference on Live Interfaces (ICLI)* (2016, 2020).

2016 *ISSTA International Festival and Conference on Sound in the Arts, Science and Technology* (2016).

2016–2025 *Web Audio Conference (WAC)* (2016–2025).

2015–2020 *ACM Special Interest Group on Computer-Human Interaction (CHI)* (2015–2021).

2013c *IEEE Interactive Tabletops and Surfaces* (2013).

2012–2018 *ACM Designing Interactive Systems* (2012, 2016, 2018).

2012–2018 *ACM Tangible, Embedded and Embodied Interaction (TEI)* (2012–2018).

2011–2018 *New Interfaces for Musical Expression (NIME)* (2011–2018).

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JOURNAL REVIEWER

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2025 *International Journal of Performance Arts and Digital Media.* Taylor *&* Francis.

2024b *Royal Society Open Science.* Royal Society.

2024a *Journal of New Music Research.* Taylor *&* Francis.

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2023b *Organised Sound.* Cambridge University Press (2023–2025).

2023a *Digital Creativity.* Routledge.

2022 *Personal and Ubiquitous Computing.* Springer.

2019b *Computer Music Journal.* MIT Press Journals (2019–2020, 2023).

2019a *Arts.* MDPI.

2018d *PLOS One.* Public Library of Science.

2018c *British Journal of Educational Technology.* Wiley.

2018b *Journal of New Music Research.* Taylor & Francis.

2018a *Transactions on Computing Education.* ACM.

2017 *Journal of Audio Engineering Society.* Audio Engineering Society (2017, 2022, 2023, 2025).

2016b *Interacting with Computers.* Oxford Journals.

2016a *Qualitative Research.* Sage Publications.

2015 *International Journal of Human-Computer Studies.* Elsevier.

Book Reviewer

2020–2022 *Routledge.*

Hackathon Coach

2025 (June 11–14 June, 2025) AI Performance Playground. Sónar+D, Barcelona, Spain.

2022 (January 29-30, 2022) On-the-Fly Live Coding Hacklab. European Union's "Creative Europe" program. Mentor of live coding and machine learning. ZKM, Karlsruhe, Germany.

2018 (July 4, 2018) Wallifornia MusicTech Hackathon. Liège, Belgium.

Jury Member

2024 *Generative Music Prize/Prix Musique Generative*, IRCAM Forum, Paris, France.

2021 *Pamela Z Award for Innovation (NIME '21)*, NYU Shanghai, Shanghai, China.

2020 *Pamela Z Award for Innovation (NIME '20)*, Royal Birmingham Conservatoire, Birmingham, UK.

2019 *Pamela Z Award for Innovation (NIME '19)*, UFRGS, Porto Alegre, Brazil.

2018 *COLLAB2018*, Institute of Electronic Music and Acoustics (IEM), University of Music and Performing Arts. Graz, Austria.

2016 *MOOG Hackathon 2016*, GTCMT, Georgia Tech. Atlanta, GA, USA.

Music Judge

2018 *Celebrating Women in Sound, 8 March 2018*, Goldsmiths University, London.

2017b *National Student Electronic Music Event 2017*, Louisiana State University. Baton Rouge, LA, USA.

2017a *EarSketch National Competition 2017*, GTCMT, Georgia Tech. Atlanta, GA, USA.

Consultancies

08/2015–10/2015 *Flux Project*, Atlanta, GA, USA.
Consulting on the development of interactive audio components of an art project for Flux Night 2015.
Collaborators: Jason Freeman (coordinator), Gerard Roma.

Entrepreneurship

01/2019–05/2020   *WebAudioConf.com*
Usability supervisor and project coordinator of a sustainable website that hosts the online proceedings of the Web Audio Conference.

08/2018–12/2019   *Women Nordic Music Technology (WoNoMute)*, NTNU, Trondheim, Norway.
Co-Founder and Chair of *WoNoMute*, an organization at NTNU in collaboration with the University of Oslo (UiO) that aims to promote and connect the work of women in music tech at local, national and international levels. This includes the curation and organization of a monthly seminar series of talks, the creation of an online archive and generation of related content to give more visibility to the work of women in music tech.

2009–present   *Carpal Tunnel*, Barcelona, Spain.
Co-Founder of the online music record label Carpal Tunnel.

05/2016–12/2017   *Women in Music Tech*, Atlanta, GA, USA.
Co-Founder and Co-Chair of *Women in Music Tech*, the first student organization at GTCMT that looks into bringing more women into the program of music technology with actions on recruitment, external communication, internal communication, and creating a safe space.

02/2004–06/2010   *Nodular Soft*, Barcelona.
Co-Founder of a freelance studio focused on user-centric software and AV communication, development of community websites using several CMS, development of AV programs under specific needs, and usability consultancy.

Research Visits

06/2019   Filmuniversität Babelsberg KONRAD WOLF, Potsdam, Germany.
07/2018   Filmuniversität Babelsberg KONRAD WOLF, Potsdam, Germany.
05/2012   University of Strathclyde, Glasgow, Scotland, UK.
06/2011   University of Strathclyde, Glasgow, Scotland, UK.
04/2011–05/2011   UPF, Barcelona, Spain.
03/2010–06/2010   The Open University, Milton Keynes, UK.

Skills

Languages

Catalan (native or bilingual proficiency), Spanish (native or bilingual proficiency), English (full professional proficiency, TOEFL iBT: 97/120 in 2009, PhD in the UK, living abroad since 2010 (UK/USA/Norway), Norwegian (basic level, Level 2 completed in 2019), German (basic level, Level 2 completed in 1991), Italian (basic level, Level 1 completed in 1991), French (basic level, self-taught).

Computer Skills

Operating Systems: OS X, Windows and Linux desktop (Ubuntu).
Programming: Actionscript, Assembly (basic level), C, CSS, Java, JavaScript, jQuery, MySQL, PHP, Python, Web Audio, XML.
Scientific Apps: MATLAB, Octave, R, SPSS.
Version Control Systems: CVS, Git, Subversion.
Music & Audio Apps: DAWs (Ableton, Cubase, Live, Logic Pro, Reaper), Max/MSP, PureData, SuperCollider, wave editors (Audacity, SoundForge, WaveEditor), audio analysis (Audition, Sonic Visualiser, SPEAR), audio measurement & test (Lindos).
Text & Multimedia Analysis Apps: ELAN, MAXQDA, NVivo, VCode.
Other Apps: Graphics and multimedia authoring apps (AfterEffects, Blender, Dreamweaver, Final

Cut Pro, Flash, Freehand, Illustrator, InDesign, Photoshop, Premiere, Processing, Combustion, 3DMax), LaTeX, MS Office suite. CMS (Drupal, WordPress). Static site generators (Jekyll, 11ty). Code editors (Atom, Sublime, Visual Studio Code).
Online Learning Platforms: Blackboard, Canvas, Moodle, Teams.
Hardware: Arduino, Bela, Lindos, micro:bit, Raspberry Pi.
Circuit simulators: Fritzing, OrCAD, Tinkercad.
Management: MS Project, Trello.