Anna Xambó

BA, MA, MSc, PнD

Senior Lecturer in Music and Audio Technology
Leicester Media School
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De Montfort University
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Current Academic Roles

- Senior Lecturer in Music and Audio Technology, School of Computer Science and Informatics, Faculty of Computing, Engineering and Media, DMU, Leicester, UK.
- Associate Fellow, Higher Education Academy, United Kingdom.
- -Poster Chair of the 1st International Workshop on the Internet of Sounds, 27th FRUCT Conference, University of Trento, Italy.
- -Women in NIME (WiNIME) officer, International Conference of New Interfaces for Musical Expression.
- -Programme Committee Member, Tenth Workshop on Ubiquitous Music, Porto Seguro, Brazil.

Areas of Interest

Design of Digital Musical Instruments (DMIs) • Real-time Interactive Systems for Music Performance • Human-Computer Interaction • Interaction Design • Tangible, Physical & Social Computing • Computer-Supported Collaborative, Participatory & Improvisation Music • Live Coding • Real-time Music Information Retrieval and Machine Learning • Multichannel Spatialization • Generative & Algorithmic Music • Immersive Sound Experiences • Women in Music Tech • Arts & Social Sciences Research Methods • STEAM Education • Data Visualization • Creative Programming

Education

- 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.
- 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

- LEARNING AND TEACHING IN HIGHER EDUCATION (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. Instructor: Katherine Samford. Georgia Institute of Technology (Georgia Tech). Atlanta, GA, USA.

Employment

- o_{1/2020}-present 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, NTNU.
- 08/2018-2019 VISITING LECTURER. C4DM, School of EECS, QMUL.
- 10/2017-07/2018 POSTDOCTORAL RESEARCH ASSISTANT. C4DM, School of EECS, QMUL.
- o7/2015-09/2017 POSTDOCTORAL FELLOW. Center for Music Technology (GTCMT) | Digital Media Program, Georgia Tech.
- 08/2013-09/2014 RESEARCH FELLOW. London Knowledge Lab, UCL Institute of Education. London.
- ${}_{02/2004-06/2010}\quad Co\text{-}Founder, Project Manager, Web Designer \\ \dot{\varnothing} \ Web \ Developer. \ Nodular \ Soft. \ Barcelona.$
- 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.

Anna Xambó, PhD Curriculum Vitae 2 of 22

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

Research Grants, Honors & Awards

2019b Web Audio Conference 2019 Best Paper Award. NTNU, Trondheim, Norway.

2019a Travel grant for European research and promotion (30,000 NOK, approx. 3,000 €). NTNU, Trondheim, Norway.

2018-2021 3-YEAR STARTUP GRANT (STARTPAKKE) (250,000 NOK, approx. 25,000 €), awarded to women in permanent academic positions in a scientific field with underrepresentation of women. 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),

2016 WOMEN IN MUSIC INFORMATION RETRIEVAL (WIMIR) GRANT, awarded 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. The Open University, Milton Keynes, UK. 03/2010-06/2010 4-MONTH FULLY-FUNDED OU VISITING RESEARCH STUDENTSHIP. The Open University, Milton Keynes, UK.

ARTISTIC GRANTS, HONORS & AWARDS

05/2004 FIRST PRIZE AWARD MINIMA FESTIVAL. Gandía, Spain.

Category: Experimental Video.

Project: "Cosmogonias". Role: Creator & Director.

Grants & Funding

PRINCIPAL INVESTIGATOR

04/2020-12/2020 HUMAN DATA INTERACTION / EPSRC GRANT

Funding body: EPSRC.

Project: "MIRLCAuto: A Virtual Agent for Music Information Retrieval in Live Coding".

Role: PI.

Collaborators: Music, Technology and Innovation - Institute for Sonic Creativity (MTI²), De Mont-

fort University; Leicester Hackspace; Iklectik; PHONOS; L'Ull Cec.

Total Euro Amount: 10,000 £

TEACHING INNOVATION PROJECT GRANT 11/2003-10/2004

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.

Anna Xambó, PhD Curriculum Vitae 3 of 22 Collaborators: Eladi Martos (Co-PI), UB.

Total Euro Amount: 3,000 € Candidate's Share: 50% (1,500 €)

Collaborator

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

2019 WEB AUDIO CONFERENCE 2019

Role: Conference chair.

Total Fundraised Norwegian Krone Amount: 120,000 NOK (Approx. 12,000 €)

2017-2018 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 £

 $_{05/2016-05/2017}$ Women in Music Tech

Role: Co-Founder & Co-Chair of the organization.

Total Fundraised Dollar Amount: 11,450 \$

Creator | Director

09/2001-08/2002 AUDIOVISUAL PRODUCTION GRANT

Funding body: Departament de Cultura de la Generalitat de Catalunya (Department of Culture of

Catalan Government). Project: "Transdata Pr.".

Role: Creator, Video Editor & Director.

Collaborators: Gerard Roma (music), Oscar Abril Ascaso (essay).

Total Euro Amount: 3,000 € Candidate's Share: 50% (1,500 €)

09/1998-08/1999 AUDIOVISUAL PRODUCTION GRANT

Funding body: Departament de Cultura de la Generalitat de Catalunya (Department of Culture of

Catalan Government). Project: "Mitösömä".

Role: Creator, Animation Editor & Director.

Collaborators: Gerard Roma (music).

Total Euro Amount: 3,000 € Candidate's Share: 50% (1,500 €)

Research Profiles

- Scholar Google
- Open Research Online

Anna Xambó, PhD Curriculum Vitae 4 of 22

- Academia.edu
- ResearchGate

Publications

Воокѕ

- Xambó, A., Martín, S. R., Roma, G. (eds.) (2019). Proceedings of the International Web Audio Conference. NTNU. ISSN: 2663-5844.
- Queiroz, M., **Xambó, A.** (eds.) (2019). Proceedings of the International Conference on New Interfaces for Musical Expression. UFRGS. ISSN 2220-4806.
- Xambó, A. (2004). *Herramientas De Diseño Digital/Digital Design Tools*. Madrid: Anaya-Multimedia. Editor: Eugenio Tuya Feijoo. ISBN 8441516979.

PEER-REVIEWED BOOK CHAPTERS

- 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.
- 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.
- 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.

JOURNAL ARTICLES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

Anna Xambó, PhD Curriculum Vitae 5 of 22

PEER-REVIEWED CONFERENCE PAPERS

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Zambó, 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.
- 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.
- 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.
- 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.
- 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

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

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

- 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.
- 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.
- 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.

REPORTS & WORKING PAPERS

- 2008 **Xambó, A.** (2008). Interfaces for Sketching Musical Compositions. Unpublished master's thesis. UPF.
- 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). Unpublished report. Supported by Fundació Caixa de Sabadell. In collaboration with UB.

Talks, Panels & Oral Presentations

EXTERNAL

- ORAL PRESENTER (December 5, 2019). "Facilitating Team-Based Programming Learning with Web Audio". WAC '19. NTNU, Trondheim, Norway.
- ORAL PRESENTER (November 22, 2019). "Research as Practice / Practice as Research: Real-time Algorithmic Music Experiences and Women in Music Technology". NOTAM, Oslo, Norway.
- 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.
- 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.
- 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.
- 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. University of Wrexham*, Wrexham, UK.
- 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.
- 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.

Anna Xambó, PhD Curriculum Vitae 8 of 22

- 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.
- ORAL PRESENTER. (August 24, 2017). "Turn-taking and Chatting in Collaborative Music Live Coding". AM '17. London.
- 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 at University of Lancaster. Lancaster, UK.
- LIGHTNING TALK SPEAKER. (August 14, 2015). "EarSketch: A STEAM Approach to Broadening Participation in Computer Science Principles". *RESPECT 2015*. Charlotte, NC. USA.
- ORAL PRESENTER. (July 1, 2014). "SoundXY4: Supporting Tabletop Collaboration and Awareness with Ambisonics Spatialisation". *NIME '14*. Goldsmiths University, London.
- 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.
- ORAL PRESENTER. (November 11, 2013). "Tabletop Tangible Interfaces for Music Performance and Implications for Tabletop Research". *School of Computing*, University of Kent. Kent, UK.
- 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.
- 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.
- ORAL PRESENTER. (July 23, 2010). "Issues and Techniques for Collaborative Music Making on Multitouch Surfaces". *SMC '10*. Universitat Pompeu Fabra, Barcelona.
- 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.
- 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.
- 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]
- 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

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

Anna Xambó, PhD Curriculum Vitae 9 of 22

- ORAL PRESENTER. (August 13, 2018). "Women in Music Tech: A Case Study". *Oppstartseminar* (*Institutt for musikk*). Dokkhuset, Trondheim, Norway.
- ORAL PRESENTER. (August 13, 2018). "A Journey Through My Research and Creative Practice". Oppstartseminar (Institutt for musikk). Dokkhuset, Trondheim, Norway.
- 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.
- 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.
- 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.
- 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, Atlanta, GA, USA.
- 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.
- 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]
- 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.
- ORAL PRESENTER. (April 9, 2014). "Let's Jam the Reactable: Peer Learning During Musical Improvisation with a Tabletop Tangible Interface". *London Knowledge Lab*, London.
- ORAL PRESENTER. (June 2, 2013). "Tabletop Groupware for Music Performance: Design and Evaluation". *CRC PhD Student Conference 2013*, OU, Milton Keynes, UK.
- ORAL PRESENTER. (June 12, 2012). "Collaboration on Interactive Tabletops for Music Performance: An Exploratory Study". *CRC PhD Student Conference 2012*, OU, Milton Keynes, UK.
- ORAL PRESENTER. (June 16, 2011). "Tabletop Groupware for Music Performance: Design and Evaluation". *CRC PhD Student Conference 2011*, OU, Milton Keynes, UK.
- ORAL PRESENTER. (May 17, 2011). "Tabletop Groupware for Music Performance: Design and Evaluation". 2011 Doctoral Workshops Conference, OU, Milton Keynes, UK.
- ORAL PRESENTER. (June 8, 2010). "Issues and Techniques for Collaborative Music Making on Multitouch Surfaces". *CRC PhD Student Conference 2010*, OU, Milton Keynes, UK.
- ORAL PRESENTER. (May, 2010). "Issues and Techniques for Collaborative Music Making on Multitouch Surfaces". *Music Research Day*, Music Research Studio, OU, Milton Keynes, UK.

Poster Presentations, Demos & Workshops

Poster Presentations & Demos

- 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.
- 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.
- 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.
- 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.
- 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.
- POSTER PRESENTER together with Price, S. (April 29, 2014). "Towards an Integrated Methodological Framework for Understanding Embodiment in HCI". CHI '14. Toronto, ON. [video]
- Demo Presenter. (January 10, 2012). "Tangible Additive Sound Synthesis (TASS)". Welcome to the French Embassy, OU. Milton Keynes, UK.
- 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.
- 2011с Poster & Demo Presenter together with Milne, A. J. (May 30, 2011). "Hex Player A Virtual Musical Controller". NIME '11. Oslo, Norway.
- Poster Presenter. (March 8, 2011). "Designing and Evaluating Interactive Systems: Musical Tabletops for Collective Music Performance". *The Open University Poster Competition 2011*. Milton Keynes, UK.
- POSTER PRESENTER. (January 25, 2011) "TOUCHtr4ck: Democratic Collaborative Music". *TEI* '11. Funchal, Madeira.
- ²⁰¹⁰ 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

- Xambó, A. (June 20–21, 2019). "Creative Audio Programming for the Web". Filmuniversität Babelsberg Konrad Wolf, Potsdam, Germany. Organized by MA Creative Technologies (Module 5 Audiovisual Application Design).
- 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. Centro cultural, UFRGS, Porto Alegre, Brazil.
- ^{2019a} Allik, A., **Xambó**, **A.** (January 16, 2019). "Musical Networks of Live Coders". *International Conference on Live Coding 2019*, Medialab Prado, Madrid, Spain.
- Xambó, A. (July 12–13, 2018). "Creative Audio Programming". *Filmuniversität Babelsberg Konrad Wolf*, Potsdam, Germany. Organized by MA Creative Technologies.
- Allik, A., **Xambó, A.** (April 7–8, 2018). "Collaborative Network Music". *Rewire 2018*, The Hague, The Netherlands. Organized by Music Hackspace. Funded by Rewire.
- Xambó, A. (October 14, 2017). "Huddersfield Girl Geeks: Audiovisual Creative Coding with P5.js". *Kirklees Libraries*, Huddersfield, UK. Funded by Google.
- 2013 Xambó, A. (May 2, 2013). "Introduction to SuperCollider". Music Computing Meeting, OU. Milton

Keynes, UK.

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

WEBINARS

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

Discography

Solo Albums

- 2018 Anna Xambó. H2RI [FLAC/MP3 files]. Chicago (IL, USA): pan y rosas.
- 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

- ²⁰¹⁹ Anna Weisling and Anna Xambó. Beacon [EP]. Barcelona: Carpal Tunnel.
- 1996 La Más Fina. Zande Phondex [CD]. Barcelona: Apache Productions.
- 1994 La Más Fina. Como quien dice la hoja iberia extrafina [Cassette]. Barcelona: Self-released.
- 1992 Sosa's Cáustica. *Paraponera Clavata* [Cassette]. Barcelona: Murmur Town.

PARTICIPATION IN COMPILATIONS

- Anna Xambó. "Kicks & Cuts" (2 min 21 sec). in 10th Anniversary Festival en Tiempo Real WoNo-Mute Playlist [WAV file].
- peterMann. "no2-petermann" (11 min 10 sec). in *Noiselets* [FLAC/MP3 files]. Barcelona: Carpal Tunnel.
- peterMann. "Go wild y'all" (1 min). in *Microtopies 2016* [MP3 files]. Barcelona: Gracia Territori Sonor.
- peterMann. "ldnsktcho1" (1 min). In *Microtopies 2015* [MP3 files]. Barcelona: Gracia Territori Sonor.
- peterMann. "init11" (3 min 29 sec). In *Electronic music from Catalonia 2010* [CD]. Barcelona: Catalan! Arts / Sonar, Barcelona.

BROADCASTING

- Anna Xambó's "H2RI.01-04". (June 21, 2018). Rare Frequency on WZBC 90.3 FM Newton Boston College Radio.
- 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 "ogo2". (July 28, 2013). BiP_HOp Generation on Radio Grenouille.
- 2013e peterMann's "ogo1", ogo5, ogo7 & ogo9. (June 23, 2013). Framework radio #426.
- peterMann's "ogo1". (March 28, 2013). Rare Frequency on WZBC 90.3 FM Newton Boston College Radio.
- 2013c peterMann's "ogo1" & "og10". (March 2, 2013). Onda Sonora.
- peterMann's selection of On The Go's tracks. (February 3, 2013). RNE Atmósfera.
- 2013a peterMann's "ogo2". (February 2, 2013). Störung Radio 127 on ScannerFM.

Selected Performances

Solo Performances

- 2020b **Xambó, A.** (March 22, 2020). *Crowdsourced Eulerisms*. Eulerroom Equinox 2020. Streaming from Sheffield, UK.
- 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
- Xambó, A. (January 18, 2019). *Live coding with crowdsourced sounds & a drum machine.* International Conference on Live Coding, Medialab Prado, Madrid, Spain.
- Xambó, A. (November 24, 2018). A session on participatory mobile music and live coding using crowdsourced sounds. NTNU Research Concert. Dokkhuset. Trondheim, Norway.
- peterMann. (September 28, 2018). Live coding session. The Raw, Inter/sections 2018. Café 1001. London, UK.
- 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
- peterMann. (January 8, 2017). Live coding session. *Noiselets: A Noise Music Microfestival.* Freedonia, Barcelona, Spain.
- 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.
- 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.
- Xambó, A. (October 4, 2013). Live coding session. *Perspectives on Multichannel Live Coding*. PHONOS. Sala Polivalent, UPF. Barcelona, Spain.
- peterMann. (September 20, 2012). Live. Crispy Crunchy Creaky. Niu. Barcelona, Spain.
- peterMann. (June 10, 2006). Live. 5a Mostra Sonora i Visual | Convent Sant Agustí. Barcelona, Spain.

Collaborative Performances

- Brandtsegg, Ø., Xambó, A., Engum, T., Bergsland, A., Waadeland, C.H. (December 4, 2019). "Trond-heim EMP Repository processing". Web Audio Conference 2019. Rockheim, Trondheim, Norway.
- 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.
- 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.
- 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.

- Weisling, A., **Xambó, A.** (February 11, 2017). "Beacon". *Root Signals Festival 2017*. Georgia Southern University. Statesboro, Georgia, United States.
- 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.
- Roma, G., **Xambó, A.**, Freeman, J. (July 1, 2016). "Do the Buzzer Shake". *ICLI 2016*. St Mary's Church, Kemptown, Brighton, UK.
- pulso (Roma, G., **Xambó, A.**). (March 15, 2012). Live coding session. *Live Coding Sessions*. Niu. Barcelona, Spain.
- pulso (Roma, G., Xambó, A.). (May 29, 2004). Live. Minima Festival. Gandía, Spain.
- b4ng (Roma, G., **Xambó, A.**, Brugos, Clarens). (June 13, 2002). Live. *Sonar Festival*. Barcelona, Spain.

Mastering (other's work)

2018 Noiselets [FLAC/MP3 files]. 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

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.

 ${\tt 2017-present} \quad WACastMix: ann axambo. me/code/WACastMix.$

Role: Concept and implementation.

2016-present 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.

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.

Installations & Visuals

09/2002 I love Japan, 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).

o9/2001 *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

10/2019 Course: MCT4000 Music Communication and Technology) # Students: \sim 14.

Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.

Role: Coordination of this 15-credit course which includes 7 modules.

10/2019 Course: MCT4000 Human-Computer Interaction Lectures (2nd edition) (8 h). # Students: \sim 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: \sim 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: MCT_{4046} Sonification and Sound Design (58 h). # Students: \sim 10.

Master of Music, Communication and Technology (MCT), Norwegian University of Science and Technology (NTNU), Trondheim, Norway.

Anna Xambó, PhD Curriculum Vitae 15 of 22

Role: Creation of syllabus, creation of content, instruction, coordination of guest lectures, and assessment.

1/2019 Course: MCT4048 Audio Programming (58 h). # Students: \sim 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: \sim 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

 $_{01/2020-04/2020}$ Course: *MATD1019 Audio Electronics Fundamentals* (12 h). # Students: \sim 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: \sim 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 (12 h). # Students: \sim 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: \sim 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: \sim 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: \sim 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: \sim 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: \sim 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: \sim 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: \sim 5.

Crea Formación, Barcelona.

Role: Instruction.

 $_{04/2004-05/2005}$ Course: Internet Design Techniques (12 h). # Students: \sim 5.

Anna Xambó, PhD Curriculum Vitae 16 of 22

Crea Formación, Barcelona.

Role: Instruction.

 $_{04/2004-05/2005}$ Course: Web Design with DreamWeaver (24 h). # Students: \sim 5.

Crea Formación, Barcelona.

Role: Instruction.

 $_{04/2004-05/2005}$ Course: *Multimedia Content with Adobe Flash* (16 h). # Students: \sim 5.

Crea Formación, Barcelona.

Role: Instruction.

 $_{04/2004-05/2005}$ Course: Flash Programming (20 h) # Students: \sim 5.

Crea Formación, Barcelona.

Role: Instruction.

 $_{04/2004-05/2005}$ Course: Theoretical Aspects in Graphic Design (12 h). # Students: \sim 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): \sim 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): \sim 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): \sim 8.

Escola Glòries, Barcelona.

Role: Co-creation of syllabus, creation of content, instruction and assessment.

Supervision & Mentoring

o_{1/2020}-present Master thesis supervisor of Karolina Jawad (MCT, NTNU). From this work, there is a forthcoming publication at ICLI '20.

o8/2018-12/2019 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.

o_{1/2018}-0_{8/2018} Master thesis co-advisor of Tayjo Padmini Vaduru (Computer Science, QMUL). Master thesis title: "Moodscape Generator: Automated Generation of Soundscapes".

o₅/₂₀₁₆₋₁₂/₂₀₁₇ Mentor and advisor of the members of the 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 new members, such as Jyoti Narang.

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).

o₉/₂₀₁₅-o₅/₂₀₁₇ 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

Anna Xambó, PhD Curriculum Vitae 17 of 22

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).

External Examining

- ^{08/2019} External MSc examiner, Torgrim Rudland Næss, Department of Informatics, Faculty of Mathematics and Natural Sciences, University of Oslo.
- ^{11/2018–06/2019} Appraisal Committee Chair for Hilmar Thordarson, Norwegian Programme for Artistic PhD Research, Norwegian Science and Technology University, Trondheim, Norway.

Additional Experience

CONCERTS CO-ORGANIZATION

- 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

- og/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.
- o5/2017-07/2018 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, Co-ordinator, 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.

Anna Xambó, PhD Curriculum Vitae 18 of 22

Professional Activities

PROFESSIONAL ORGANIZATION MEMBER

Association for Computing Machinery (ACM). International Computer Music Association (ICMA).

ACADEMIC PROGRAMME LEADER

o1/2019-12/2019 MCT PROGRAMME STUDY LEADER Department of Music, NTNU.
o1/2019-12/2019 MCT PROGRAMME COUNCIL LEADER, Department of Music, NTNU.

Fellow

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

Visiting Lecturer, Centre for Digital Music (C4DM), School of Electronic Engineering and Computer Science (EECS), Queen Mary University of London (QMUL).

ACADEMIC CHAIR / COMMITTEE MEMBER / CONFERENCE CHAIR

- POSTER CHAIR. *The 1st International Workshop on the Internet of Sounds*, 27th FRUCT Conference, University of Trento, Italy.
- ^{2019f} PROGRAMME COMMITTEE MEMBER. *ACM Tangible, Embedded and Embodied Interaction 2020.* Sydney, Australia.
- 2019e-present WINIME OFFICER. International Conference of New Interfaces for Musical Expression.
 - 2019d Program Co-Chair. International Conference on Live Interfaces 2020. Trondheim, Norway.
 - 2019c GENERAL CO-CHAIR. Web Audio Conference 2019. Trondheim, Norway.
 - 2019b PAPER CO-CHAIR & SESSION CHAIR. New Interfaces for Musical Expression 2019. Porto Alegre,
 - 2019a PROGRAMME COMMITTEE MEMBER. ACM Creativity & Cognition 2019. San Diego, USA.
 - 2018 PROGRAMME COMMITTEE MEMBER. ACM Spatial User Interaction 2018. Berlin, Germany.
 - ^{2017c} Session Chair. Web Audio Conference 2017. London.
 - ^{2017b} Programme Committee Member. Second Conference on Computer Simulation of Musical Creativity, Open University. Milton Keynes, UK.
 - ^{2017a} LOCAL COMMITTEE MEMBER. *International Conference on Computational Creativity 2017*, Georgia Tech. Atlanta, GA, USA.
 - 2016b CO-FOUNDER & CO-CHAIR. Women in Music Tech Committee, GTCMT, Georgia Tech. Atlanta, GA, USA.
 - 2016a MUSIC/ARTWORKS CO-CHAIR. Web Audio Conference 2016, Georgia Tech. Atlanta, GA, USA.
 - ^{2011b} Session Chair ("Laptop/Coding/NI"). *International Computer Music Conference*. Huddersfield, UK.
 - 2011a COMMITTEE MEMBER. CRC PhD Student Conference 2011, OU. Milton Keynes, UK.

Conference Reviewer

- 2019b Tenth Workshop on Ubiquitous Music (2020).
- 2019a Audio Mostly (2019).
- ²⁰¹⁸ ACM Special Interest Group on Computer GRAPHics and Interactive Techniques (SIGGRAPH) (2018).
- 2018 International Conference of the Learning Sciences (2018).
- 2018–2019 International Society for Music Information Retrieval Conference (2018–2019).
- 2017-2019 ACM Creativity and Cognition (2017, 2019).
 - ²⁰¹⁷ ACM Innovation and Technology in Computer Science Education (2017).
 - 2017 Co-Creation Workshop at International Conference on Computational Creativity (2017).

Anna Xambó, PhD Curriculum Vitae 19 of 22

- 2017-2018 International Computer Music Conference ICMC Music (2017, 2018).
- 2016, 2020 International Conference on Live Interfaces (2016, 2020).
 - 2016 ISSTA International Festival and Conference on Sound in the Arts, Science and Technology (2016).
- 2016-2019 Web Audio Conference (2016-2019).
- 2015-2020 ACM Special Interest Group on Computer-Human Interaction (2015-2020).
 - ^{2013c} IEEE Interactive Tabletops and Surfaces (2013).
- 2012-2018 *ACM Designing Interactive Systems* (2012, 2016, 2018).
- 2012-2018 ACM Tangible, Embedded and Embodied Interaction (2012-2020).
- 2011-2019 New Interfaces for Musical Expression (2011-2019).

JOURNAL REVIEWER

- 2019b Computer Music Journal. MIT Press Journals.
- 2019a Arts. MDPI.
- 2018d PLOS One. Public Library of Science.
- 2018c British Journal of Educational Technology. Wiley.
- 2018b Journal of New Music Research. ScholarOne Manuscripts.
- 2018a Transactions on Computing Education. ACM.
- 2017 Journal of Audio Engineering Society. Audio Engineering Society.
- 2016b Interacting with Computers. Oxford Journals.
- 2016a Qualitative Research. Sage Publications.
- 2015 International Journal of Human-Computer Studies. Elsevier.

BOOK REVIEWER

2020 Routledge.

PANELIST

- (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.
- ^{2018d} (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.
- 2018c (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.
- 2018b (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.
- ^{2018a} (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, VA, USA.

Соасн

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

JURY MEMBER

- 2019 Pamela Z Award for Innovation (NIME '19), Universidade Federal do Rio Grande do Sol, Porto Alegre (UFRGS), Brazil.
- 2018 COLLAB2018, Institute of Electronic Music and Acoustics (IEM), University of Music and Performing Arts. Graz, Austria.
- MOOG Hackathon 2016, GTCMT, Georgia Tech. Atlanta, GA, USA.

Music Judge

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

Collaborators: Jason Freeman (coordinator), Gerard Roma.

Entrepreneurship

08/2018-12/2010

Women Nordic Music Technology (WoNoMute), NTNU, Trondheim, Norway.

Co-Founder and Chair of WoNoMute, an organization at NTNU in collaboration with 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

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.

Anna Xambó, PhD Curriculum Vitae 21 of 22

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 1 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 Live, Cubase, Reaper, Logic Pro), Max/MSP, PureData, Super-Collider, wave editors (Audacity, SoundForge, WaveEditor), 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). Jekyll.

Hardware: Arduino, Bela, Lindos.