

# ANDREA GUIDI

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Researcher in Computational Creativity at the Academy of Fine Arts of Rome  
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## PROFILE

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Researcher specialising in computational creativity and human-computer interaction, with a PhD in Media and Arts Technology from Queen Mary University of London. A musician and artist, he has exhibited and performed at international multimedia art festivals, including twice at Ars Electronica (Linz, Austria). He is also an alumni member of the Augmented Instruments Lab at Imperial College London. Within the EAR project, his role involves developing AI-supported educational strategies to produce innovation and experimentation within fine arts academies and music conservatoires.

Lingue: inglese, italiano, francese

## RESEARCH / TEACHING

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| Setpember 2024 – present      | <ul style="list-style-type: none"><li>- <b>Academy of Fine Arts of Rome</b>, Via di Ripetta, 222, 00186 Rome, Italy</li><li>- <i>Academic Research</i></li><li>- Researcher (Postdoctoral Fellow) specialising in Artificial Intelligence to support creativity and divergent thinking.</li></ul>   |
| March 2024 – August 2024      | <ul style="list-style-type: none"><li>- <b>University of Florence</b>, Piazza San Marco, 4, 50121 Florence, Italy</li><li>- <i>Academic Research</i></li><li>- Research Fellow specialising in Artificial Intelligence to support creativity and divergent thinking. Supervisor role.</li></ul>   |
| February 2023 – December 2023 | <ul style="list-style-type: none"><li>- <b>Academy of Fine Arts of Rome</b>, Via di Ripetta, 222, 00186 Rome, Italy</li><li>- <i>Academic Research</i></li><li>- Junior Scientist on the EU4ART project (Work Package 3), focused on developing artistic research and fostering international collaboration among art schools. The project involved the academies of Dresden, Rome, Budapest, and Riga, and was funded by the EU Horizon 2020 programme. <br/><a href="https://abaroma.it/eu4art-differences/">LINK: https://abaroma.it/eu4art-differences/</a></li></ul> |
| December 2022 – March 2023    | <ul style="list-style-type: none"><li>- <b>Queen Mary University of London</b>, Mile End Road, London E1 4NS, UK</li><li>- <i>Academic Research</i></li><li>- Researcher focused on improving inclusivity and accessibility of music technologies.</li></ul>  |
| October 2018 – September 2019 | <ul style="list-style-type: none"><li>- <b>Queen Mary University of London</b>, Mile End Road, London E1 4NS, UK</li><li>- <i>Higher Education</i></li></ul>  |

- Teaching Assistant for the module "Sound Recording and Production Techniques" as part of the Master's degree programme in Media and Arts Technology.
- 19-20 December 2018
  - **Giuseppe Verdi Conservatoire of Music**, Via Conservatorio, 12, 20100 Milan, Italy
  - *Higher Education*
  - Lecturer for a seminar on designing digital musical instruments and interactive sound installations using the BELA platform.
- December 2018
  - **University of Milan**, Via Festa del Perdono, 20122 Milan, Italy
  - *Higher Education*
  - Lecturer for a masterclass on designing interactive music computing systems for 3D audio.
- March 2018 – September 2018
  - **BELA, Imperial College London**, Dyson School of Design Engineering, South Kensington Campus, London, UK SW7 2AZ
  - *Technology company specialising in electronic musical instrument design and prototyping*
  - Researcher and developer of sonic interactions using flexible interfaces for the Embelashed project, supported by InnovateUK Project 133535.

## EDUCATION

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- September 2017 – November 2023
  - **Queen Mary University of London**, Mile End Road, London E1 4NS, UK
  - *Development of augmented musical instruments and media-art installations, including critical analysis of creative processes, implementation, and evaluation within human-technology interactions.*
  - PhD in Media & Arts Technology.
- October 2013 – February 2016
  - **Giuseppe Verdi Conservatoire of Music**, Milan, Italy
  - *Composition of electronic music; design and development of interactive multimedia installations.*
  - Master's Degree (Diploma Accademico di II livello) in Electronic Music.
- October 2004 – February 2007
  - **University of Milan**, Italy
  - *Music Informatics.*
  - Bachelor's Degree in Science and Technology of Musical Communication.

## PUBLICATIONS

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### BOOK

### CHAPTERS

- **Guidi, A.**, Di Geronimo, V., Giretti, A., Ripa di Meana, F. (**in stampa**). **Enhancing Artistic Education with AI: Tracking Creative Behaviour in Higher Arts Education.** In P. Isaías, D.G Sampson, D. Ifenthaler, (Eds.), *Artificial Intelligence for Supporting Human Cognition and Exploratory Learning in the Digital Age*. Springer Nature.

- Giretti, A., Durmus, D., Lemma, M., Vaccarini, M., Zambelli, M., **Guidi, A.**, & Ripa di Meana, F. (2024). **Knowledge engagement in art and design education: About the role of AI in creativity education.** In P. Isaías, D.G Sampson, D. Ifenthaler, (Eds.), *Artificial Intelligence for Supporting Human Cognition and Exploratory Learning in the Digital Age* (pp. 3–24). Springer Nature. [https://doi.org/10.1007/978-3-031-66462-5\\_1](https://doi.org/10.1007/978-3-031-66462-5_1)

#### Articles

- **Guidi, A.**, Ripa di Meana, F. (in stampa) **AI for Collective Intelligence and creativity. The case of °°KOBİ - a tool for interdisciplinary and artistic research.** In *Proceedings of the 16<sup>th</sup> International Conference on Artistic Research*. SAR. Porto, Portugal.
- Ripa di Meana, F., **Guidi, A.**, Giretti, A., Vaccarini, Zambelli, M., Durmus, D. (2024). **Enhancing Artistic Education with AI: The Hamlet Workshop.** In *Proceedings of the International Conference on Cognition and Exploratory Learning in the Digital Age*. CELDA. Zabreg, Croatia. <https://shorturl.at/JarMs>
- Ripa di Meana, F., Giretti, **A.**, **Guidi, A.**, Vaccarini, Zambelli, M. (2024). °°kobi: a knowledge ecosystem for research and education. In *Proceedings of AI, Cultural Heritage, and Art Between Research and Creativity*. CINECA. Bologne, Italy. <https://hdl.handle.net/2158/1403678>
- Giretti, A., Durmus, D., Vaccarini, M., Zambelli, M., **Guidi, A.**, & Ripa di Meana, F. (2023). **Integrating Large Language Models in Art and Design Education.** In *Proceedings of the International Conference on Cognition and Exploratory Learning in the Digital Age*. CELDA. Madeira Island, Portugal. [https://doi.org/10.33965/CELD2023\\_202306L004](https://doi.org/10.33965/CELD2023_202306L004)
- **Guidi, A.**, & McPherson, A. (2022). **Quantitative evaluation of aspects of embodiment in new digital musical instruments.** In *Proceedings of the 22th International Conference on New Interfaces for Musical Expression*. NIME. The University of Auckland, New Zealand. <https://doi.org/10.21428/92fbeb44.79d0b38f>
- Guidi, A., Morreale, F., & McPherson, A. (2020). **Design for auditory imagery: Altering instruments to explore performer fluency.** In *Proceedings of the 20th International Conference on New Interfaces for Musical Expression*. NIME. Birmingham, UK. <https://doi.org/10.5281/zenodo.4813260>
- McPherson, A, Morreale, F., & **Guidi, A.** (2019). **Designing creative tensions between concept and embodied practice.** In *proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. ACM. Glasgow, UK. <https://shorturl.at/EXZAN>
- Morreale, F., Guidi, A., & McPherson, A. (2019). **Magpick: An augmented guitar pick for nuanced control.** In *19th International Conference on New Interfaces for Musical Expression*. NIME. Porto Alegre, Brazil. <https://doi.org/10.5281/zenodo.3672868>

#### Posters

- Cerioni, M., Giacomelli, S., Gatti, A., Ballerini, L., & **Guidi, A. (in stampa)**. *Giving AI ears: A perceptual approach to AI for artistic*

research [Poster presentation]. 16th International Conference on Artistic Research (SAR 2025). Porto, Portugal.

- Giretti, A., **Guidi, A.**, Ripa di Meana, F., Vaccarini, M., & Zambelli, M. (2023). *KOBI 3.0: A knowledge ecosystem for creativity research and design* [Poster presentation]. European Researchers' Night. Rome, Italy.

## APPOINTMENTS

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| Year 2024 - present | - <b>Management Committee Member</b> for the European COST Action CA23158 – Artistic Intelligence: Responsiveness, Accessibility, Responsibility, Equity (ARTinRARE). |
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## SCHOLARSHIPS

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|--------------------------|---|
| March 2024 – August 2024 | - <b>University of Florence</b> , Piazza San Marco, 4, 50121 Florence, Italy                            |
|                          | - Research Fellow specialising in Artificial Intelligence to support creativity and divergent thinking. |

## TECHNICAL SKILLS

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-  **Programming:** JavaScript, C++, C#, Python, MAX MSP, PD, SuperCollider, HTML, CSS, Arduino environment, Bela, Unity for Hololens
-  **UX Design:** Figma, Adobe XD
-  **Music Production:** Ableton Live, Pro Tools, Logic Pro
-  **Graphic Design:** Adobe Creative Suite

## CERTIFICATES

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| January 2017 | - IELTS: Level C1. Obtained prior to relocating to London for five years, during which I completed a PhD conducted entirely in English. |
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## ASSOCIATIONS

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| March 2023 - present | - Alumni Member of the <b>Augmented Instruments Lab</b> at Imperial College London. <a href="https://instrumentslab.org/">https://instrumentslab.org/</a> |
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