

JUDIT MARTINEZ MORENO

juditmm.com [/in/juditmm](https://in.linkedin.com/in/juditmm) [0000-0001-9234-8220](https://orcid.org/0000-0001-9234-8220) martinez.moreno.judit@gmail.com

SUMMARY

With a background in **Psychology** and **Interactive Technologies** and more than seven years of research experience in Education and Technology, I am currently completing a doctorate in **Education**. My PhD focuses on the motivations and perceptions of **Prospective Teachers** given the digital changes caused by **Artificial Intelligence**. My aim is to contribute to the advancement of **Higher Education** by researching the consideration and integration of Artificial Intelligence.

EDUCATION

Doctoral Program in Education University of Zurich, Zurich, Switzerland	Sept 2021 – Aug 2025 (expected)
<i>Visiting Researcher</i> Chinese University of Hong Kong, Hong Kong SAR	Oct 2024 – Nov 2024
<i>PhD Excellence Program Fellow, Digital Society Initiative</i> University of Zurich, Zurich, Switzerland	Aug 2022 – June 2024
Doctoral Program in Information and Communication Technologies University Pompeu Fabra, Barcelona, Spain	Sept 2019 – Aug 2020 (changed to Zurich)
Master's Degree in Cognitive Systems and Interactive Media University Pompeu Fabra, Barcelona, Spain	Sept 2017 – Aug 2019
Bachelor's Degree in Psychology University of Girona, Girona, Spain	Sept 2013 – Aug 2017

RESEARCH EXPERIENCE

Junior Researcher <i>Center for Education and Digital Transformation</i> Zurich University of Teacher Education (Pädagogische Hochschule Zürich), Zurich, Switzerland	Sept 2020 – Present
Research Assistant <i>Interactive and Distributed Technologies for Education (TIDE)</i> University Pompeu Fabra, Barcelona, Spain	Dec 2017 – Aug 2019
<i>Support Unit for the Teaching Quality and Innovation (USQUID)</i> University Pompeu Fabra, Barcelona, Spain	Nov 2017
<i>Culture and Education Research Group</i> University of Girona, Girona, Spain	March 2016
<i>Human Development Lab</i> University of Girona, Girona, Spain	July 2015

ACADEMIC CONTRIBUTIONS RELATED TO ARTIFICIAL INTELLIGENCE AND EDUCATION

Journal papers

- **Martínez-Moreno, J.**, Bernstein, A., & Christen, M. (2025). Digital literacy and AI-Buddy: Motivations and perspectives from Higher Education students. [Manuscript in preparation]
- **Martínez-Moreno, J.**, Chiu, T., & Petko, D. (2025). Willing to shape the future of education with Artificial Intelligence? An international comparison. [Manuscript in preparation]
- **Martínez-Moreno, J.**, Misiutin, M., & Getto, B. (2025). GenAI in Higher Education: Bridging Strategy and Practice with an Empirical Systemic Approach. [Manuscript in preparation]
- **Martínez-Moreno, J.**, & Petko, D. (2025). Types of student teachers and their perception of Artificial Intelligence in Education: a mixed-methods study. [Manuscript under review]
- Chiu, T., & **Martínez-Moreno, J.** (2025). Using the Self-Determination Theory to foster students' Artificial Intelligence (AI) Literacy: what do teachers say? [Manuscript under review]
- **Martínez-Moreno, J.**, & Petko, D. (2024). What motivates future teachers? The influence of Artificial Intelligence on student teachers' career choice. *Computers and Education: Artificial Intelligence*, 7, 100296. <https://doi.org/10.1016/j.caeai.2024.100296>

Symposia

- Getto, B., **Martínez-Moreno, J.** (2024). Aligning Individual and Organizational Developments in Higher Education in the Context of GenAI. EARLI SIG 04 & 17 Conference. Utrecht, Netherlands.
- **Martínez-Moreno, J.** (2024). Artificial Intelligence in Education: Crossed perspectives of students and pre-service teachers. Swiss Society for Research in Education (SSRE) 2024 Conference. Locarno, Switzerland.
- **Martínez-Moreno, J.** (2023) Digitalization and Higher Education. In Getto, B., Zellweger-Moser, F., Feixas, M., **Martínez-Moreno, J.**, Pirovino, L. (2023). Approaches to Research in Higher Education Teaching and Learning. Zürich, Switzerland.

Conference presentations

- **Martínez-Moreno, J.**, & Getto, B. (2024). GenAI in Higher Education: Bridging Strategy and Practice with an Empirical Systemic Approach. EARLI SIG 04 & 17 Conference. Utrecht, Netherlands.
- **Martínez-Moreno, J.** (2024). What Motivates Future Teachers? The Role of AI in Social Improvement. SIG 11 & 13 Conference 2024 Conference. Oxford, UK.
- **Martínez-Moreno, J.** (2024). How does Artificial Intelligence in education influence the career choice of student teachers? Swiss Society for Research in Education, SSRE Conference. Locarno, Switzerland.
- **Martínez-Moreno, J.**, Hernandez-Leo, D., Santos, P. (2020) Artificial intelligence and social media threats: Increasing teenagers' reflective thinking through digital literacy. Interaction Design and Children (IDC) conference.
- Eimler, S., Brandenburg, G., **Martínez-Moreno, J.** (2019). Courage: A social media AI companion safeguarding and educating students - Empirical Approach. Kick-off "Artificial Intelligence and the Society of the Future", Volkswagen Stiftung, Hannover, Germany.

Other

- von Däniken, T. von (2024). UZH Students Embracing AI Tools. Interviewees: Bernstein, A., & **Martínez-Moreno, J.** UZH News.
 - **Martínez-Moreno, J.**, Pak, D., & Schneider, S. (2024). Research Hackathon: Investigating the Role of AI in Higher Education. Community of Education, DSI, University of Zurich.
 - **Martínez-Moreno, J.** (2024). AI@UZH - What do our students think? Digital literacy, AI Buddy and Virtual University. Teaching Inspiration Week, University of Zurich.
 - **Martínez-Moreno, J.** (2024). AI in the Classroom – A New Era in Education? Pint of Science, Zurich.
 - Science Lab UZH, DIZH, & Global Learning Council (2024). AI for Education Hackathon 2024: Kick-start your Career with AI. Mentors: **Martínez-Moreno, J.**, Heierli, L., Al-Hazwani, I.
 - **Martínez-Moreno, J.** (2019) The risks and benefits of likes. Maker Faire Barcelona, Sonar+D, Fablab Barcelona & SokoTech, Fundació Recerca, Science Week, Secondary Education Institutions. Barcelona.
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ACADEMIC CONTRIBUTIONS RELATED TO TECHNOLOGY AND EDUCATION

Papers

- **Martínez-Moreno, J.**, & Petko, D. (2024). Becoming a teacher in digital times: No differences between the motivations of future science and humanities teachers?. In Society for Information Technology & Teacher Education International Conference (pp. 2527-2533). Association for the Advancement of Computing in Education (AACE). <https://www.learntechlib.org/primary/p/224337/>.
- **Martínez-Moreno, J.**, Petko, D. (2023). Motives for becoming a teacher in times of digital change: Development and validation of the (D)FIT-Choice scale. *Education and Information Technologies*. <https://doi.org/10.1007/s10639-023-12338-8>
- Beardsley, M., Martínez Moreno, J., Vujovic, M., Santos, P., & Hernández-Leo, D. (2020). Enhancing consent forms to support participant decision making in multimodal learning data research. *British Journal of Educational Technology*, 51(5), 1631–1652. <https://doi.org/10.1111/bjet.12983>
- Albó, L., Beardsley, M., **Martínez-Moreno, J.**, Santos, P., & Hernández-Leo, D. (2020). Emergency remote teaching: Capturing teacher experiences in Spain with SELFIE. In *European Conference on Technology Enhanced Learning* (pp. 318-331). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-57717-9_23

Conference presentations

- **Martínez-Moreno, J.** (2024). Becoming a teacher in times of digital change: The relationship between digital competence and motivation to digitalise. 29th GERA (German Educational Research Association) Congress. Halle, Germany.
 - **Martínez-Moreno, J.** (2023). Becoming a teacher to digitally transform education? Developing and applying the (D)FIT-Choice scale. EARLI 20th biennial Conference. Thessaloniki, Greece.
 - **Martínez-Moreno, J.** (2023). Becoming a teacher in times of digital change: Development and validation of the (D)FIT-Choice scale. Swiss Society for Research in Education (SSRE) Conference. Zürich, Switzerland.
 - Peters, L., **Martínez-Moreno, J.**, Gronau, K., Cefa Saril, B., Zawacki-Richter, O. (2022). Student Teachers' Digital Self-Regulated Learning – A Systematic Review. EARLI SIG11 Conference 2022. Oldenburg, Germany.
 - **Martínez-Moreno, J.**, Santos, P., and Hernández-Leo, D. (2021). Maker Education in Primary Education: Changes in Students' Maker-Mindset and Gender Differences. In *Ninth International Conference on Technological Ecosystems for Enhancing Multiculturality (TEEM'21)*, October 26–29, 2021, Barcelona, Spain. ACM, New York, NY, USA, 6 pages. <https://doi.org/10.1145/3486011.3486431> [Awarded as the Best paper in Track 3: Bridging the diversity gap in STEM]
 - **Martínez-Moreno, J.**, Santos, P., & Leo, D. H. (2021). Teachers' self-perception in maker education: three approaches for STEM professional development. In *2021 International Conference on Advanced Learning Technologies (ICALT)* (pp. 234-235). IEEE Technical Community on Learning Technology.
 - Santos, P., **Martínez-Moreno, J.**, Alonso, N., Mayrhofer, M. & Hernández-Leo, D. (2020). Facilitating digital equity in educational contexts with teenagers at risk of social exclusion: the ICT facilitator competence profile. SIIE 2020: 22th International Symposium on Computers in Education.
 - Martínez-Moreno, J., Santos, P., Hernandez-Leo, D. (2020) Making for reflecting: The maker methodology for grounding a positive mindset against technology. *Interaction Design and Children (IDC) conference*.
 - Amarasinghe, I., Hernández-Leo, D., Manatunga, K., Beardsley, M., Bosch, J., Carrió, M., Chacón-Pérez, J., Jimenez-Morales, M., Llanos, D., Lope, S., **Martínez-Moreno, J.**, Santos, P., Vujovic, M. (2020). Collaborative Learning Designs using Pyramid App. *11th International Conference on University Teaching and Innovation (CIDUI): Beyond competencies: new challenges in a digital society*, Barcelona.
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ACADEMIC CONTRIBUTIONS RELATED TO TECHNOLOGY AND EDUCATION (continuation)

Editorships

- Ernst, J., Seyferth-Zapf, C., **Martínez-Moreno, J.**, Rummler, K. (Editor). (2024). Measuring Media Literacy / Medienkompetenz messen. Vol. 57, MediaEducation / MedienPädagogik. <https://www.medienpaed.com/issue/view/117>

Reports

- **Martínez-Moreno, J.** & Santos, P. (2018). Makers for Inclusion. Colectic & TIDE, Barcelona.

Theses

- **Martínez-Moreno, J.** (2019). A study on the development of maker activities with primary education teachers and students: from self-concept change to gender factors. University Pompeu Fabra, Barcelona. <https://doi.org/10.5281/zenodo.3484507>

ACADEMIC CONTRIBUTIONS RELATED TO EDUCATION AND PSYCHOLOGY

Conference presentations

- Beardsley, M., **Martínez-Moreno, J.**, Hernández-Leo, D. (2020). Comparing pre-service and in-service teacher perceptions of the science of learning. XI Congr s CIDUI 2021; 30 Jun-2 Jul; Hospitalet de Llobregat, Spain. <http://hdl.handle.net/10230/45481>
- Beardsley, M., **Martínez-Moreno, J.**, Hernández-Leo, D. (2020). Learning to learn: university student perceptions of a science of learning intervention. XI Congr s CIDUI 2021; 30 Jun-2 Jul; Hospitalet de Llobregat, Spain. <http://hdl.handle.net/10230/45484>
- Beardsley, M., **Martínez-Moreno, J.**, Santos, P., & Hernandez-Leo, D. (2020). Supporting students in making informed data sharing decisions: From comprehension to consenting. Proceedings – IEEE 20th International Conference on Advanced Learning Technologies, ICALT 2020, 175–179. <https://doi.org/10.1109/ICALT49669.2020.00058>
- **Martínez-Moreno, J.**, Arsiwalla, X., and Verschure, P. (2018). From neural correlates to a functional hierarchy of consciousness: integrating the easy problems. International Congress Human Brain Project: Understanding Consciousness. Barcelona, Spain.
- Villar, E., **Martínez-Moreno, J.**, Miralles, L., and Ure a, R. (2015). Protocolo para el an lisis sistem tico de episodios emocionales y la evaluaci n de la competencia emocional (Protocol for the systematic analysis of emotional episodes and the evaluation of emotional competence). V Jornadas Emociones y Bienestar, SEAS (Spanish Society for the Study of Anxiety and Stress). Madrid, Spain.

Reports

- Rogers, H., **Martínez-Moreno, J.**, Santos, P., Tabacaru, M. Mebrahtu Kidanemariam, S., Zinkevi iut , G., Dragt, E. Bol, E., Varanauskas, A., Gouache, C. (2020). Addressing the gaps & needs of primary school teachers when designing the D-TIPS toolbox. Design Thinking D-TIPS Erasmus.
- Esteban-Guitart, M., Llopart, M., Cebri n, N., **Martínez-Moreno, J.** i Castro, A. (2017). Situation of childhood, adolescence, youth, families and teachers in Figueres. Institut de Recerca Educativa, Girona.

Theses

- **Martínez-Moreno, J.** (2017). Self-concept, self-construct, and creativity: The relationship between family self-concept and creativity in a sample of college students. University of Girona, Girona.
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UNIVERSITY TEACHING EXPERIENCE

Lecturer Feb 2024 – Present
Media Education and Computer Science
(Medienbildung und Informatik, taught in German)
Zurich University of Teacher Education, Zurich, Switzerland

Teacher Educator Sept 2019 – March 2020
Maker Education for Primary Education Teachers
Illuminated: Illuminating effective teaching strategies with the science of learning
University Pompeu Fabra, Barcelona, Spain

Teacher Assistant Sept 2019 – Dec 2017
Introduction to Technologies of Information and Communication
Research Methodology
University Pompeu Fabra, Barcelona, Spain

OTHER PROFESSIONAL EXPERIENCE

Educational Technologies Teacher April 2019 – July 2019
Cocu Cultural Association, Girona, Spain

English Language Teacher July 2018 – Dec 2018
McEmpreses & Happy Kids, Girona, Spain

Special Education Psychologist Sept 2015 – Aug 2018
SAGI (Association Asperger's Syndrome Girona), Girona, Spain

Educational Psychologist Sept 2016 – Feb 2017
Counselling and Evaluation Department
Saint George's School, Girona, Spain

LANGUAGES AND DATA COMPETENCES

Languages

Spanish (*Native*)
Catalan (*Native*)
English (*Full professional proficiency*)
German (*Professional working proficiency*)
French (*Elementary proficiency*)

Data Analysis

Jamovi, SPSS
MAXQDA, NVivo
R, Python, Matlab, SQL
