JUDIT MARTINEZ MORENO

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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 **Educational Science**. My PhD focuses on the motivations and perceptions of **Future Teachers** given the digital changes caused by **Artificial Intelligence**. My aim is to contribute to the development of **Education** through the integration of Artificial Intelligence.

EDUCATION

Doctoral Program in Educational Science
University of Zurich, Zurich, Switzerland
Sept 2021 – Aug 2025 (expected)

Visiting Researcher
Chinese University of Hong Kong, Hong Kong SAR
Oct 2024 – Nov 2024

PhD Excellence Program Fellow, Digital Society Initiative
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
Center for Education and Digital Transformation
Zurich University of Teacher Education (Pädagogische Hochschule Zürich), Zurich, Switzerland
Sept 2020 – Present

Research Assistant
Interactive and Distributed Technologies for Education (TIDE)
University Pompeu Fabra, Barcelona, Spain
Dec 2017 – Aug 2019

Support Unit for the Teaching Quality and Innovation (USQUID)
University Pompeu Fabra, Barcelona, Spain
Nov 2017

Culture and Education Research Group
University of Girona, Girona, Spain
March 2016

Human Development Lab
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). AI-Buddy in Higher Education: Students' Needs, Motivations, and Expectations. [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., Brandenberg, 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.

ACADEMIC CONTRIBUTIONS RELATED TO
TECHNOLOGY AND EDUCATION

Papers

- **Martinez-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., **Martinez-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., **Martinez-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.

ACADEMIC CONTRIBUTIONS RELATED TO
TECHNOLOGY AND EDUCATION (continuation)

Editorships
- Ernst, J., Seyferth-Zapf, C., **Martinez-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 Congrés 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 Congrés CIDUI 2021; 30 Jun-2 Jul; Hospitalet de Llobregat, Spain. http://hdl.handle.net/10230/45484
- Beardsley, M., **Martinez-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 Ureña, R. (2015). Protocolo para el análisis sistemático de episodios emocionales y la evaluación 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., Zinkevičiūtė, 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., Cebrián, 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.

UNIVERSITY TEACHING EXPERIENCE

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

Feb 2024 – Present

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

Sept 2019 – March 2020

Teacher Assistant
Introduction to Technologies of Information and Communication
Research Methodology
University Pompeu Fabra, Barcelona, Spain

Sept 2019 – Dec 2017

OTHER PROFESSIONAL EXPERIENCE

Educational Technologies Teacher
Cocu Cultural Association, Girona, Spain

April 2019 – July 2019

English Language Teacher
McEmpreses & Happy Kids, Girona, Spain

July 2018 – Dec 2018

Special Education Psychologist
SAGI (Association Asperger's Syndrome Girona), Girona, Spain

Sept 2015 – Aug 2018

Educational Psychologist
Counselling and Evaluation Department
Saint George's School, Girona, Spain

Sept 2016 – Feb 2017

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