

# Eleonora Faggiano – Short Curriculum Vitae

Eleonora Faggiano is currently **Associate Professor in Mathematics Education** at the Department of Mathematics of the University of BARI ALDO MORO (Italy).

She obtained her master's degree in Mathematics in 1999, the Qualification for High School Teaching in Mathematics and Physics in 2001, and her PhD in Computer Science in 2005, discussing a Thesis on e-learning and educational technologies with application in mathematics education.

From March 2005 to April 2021, she was Assistant Professor (SSD MAT/04 – Matematiche Complementari) at the University of Bari Aldo Moro.

She is **Editorial Board Member** of the Springer Mathematics Education in the Digital Era (MEDE) Series.

She was Member of the **International Program Committee** of the International Conference on Technology in Mathematics Teaching in 2013 (Bari), 2015 (Faro), 2017 (Lyon), 2019 (Essen), 2021 (Copenhagen).

She was **Conference Co-chair** of the 5<sup>th</sup> ERME Topic Conference Mathematics Education in the Digital Age (MEDA 2018) and of the 10<sup>th</sup> ERME Topic Conference Mathematics Education in the Digital Age (MEDA 2020).

She was **Team Member** del **Thematic Working Group 16** on Learning Mathematics with Technology and Other Resources and **Editorial Board Member** of the Proceedings of the Congress of the European Society for Research in Mathematics Education in 2017 (**CERME10** – Dublin), in 2019 (**CERME11** - Utrecht), and she is actually Team Member for (**CERME12** – Bolzano, Febbraio 2022)

She was **Co-Editor** of the following books: "**Mathematics Education in the Digital Age: Learning, Practice and Theory**" (with A. Clark-Wilson, A. Donevska-Todorova, J. Trgalova, H-G Weigand), published in 2021 by Routledge within the New Perspectives on Research in Mathematics Education Series; "**Innovation and Technology enhancing Mathematics Education**" (with F. Ferrara e A. Montone), published in 2017 by Springer - MEDE Series; **Proceedings** of the 10<sup>th</sup> ERME Topic Conference Mathematics Education in the Digital Age (**MEDA 2020**), published by JKU in 2020; **Proceedings** of the 5<sup>th</sup> ERME Topic Conference Mathematics Education in the Digital Age (**MEDA 2018**), published by University of Copenhagen in 2018; **Proceedings** of the 11<sup>th</sup> International Conference on Technology in Mathematics Teaching (**ICTMT 11**), published by University of Bari in 2013.

She was **Guest Co-Editor** of the Journal Special Issue **TEAMAT** "Teaching Mathematics and its Applications" - Oxford University Press, UK - Online ISSN 1471-6976 - Vol. 33 (1) (2014).

She is **ad hoc referee** and/or **reviewer** for: The Journal of Mathematical Behaviour – Elsevier; International Journal Mathematics Education Science Technology (IJMEST) - Taylor & Francis; Mathematics Education in the Digital Era (MEDE) Book Series - Springer; International Journal for Technology in Mathematics Education (IJTME) - Word Press.

She was **Research and Teaching Advisor** for the research and teaching activities of Osama Swidan (Ben Gurion University of the Negev in Israel) as Visiting Professor at the Department of Mathematics - May/September 2019 and July/December 2021.

She is **Local Academic Research Advisor**. Research topic: "The use of resources to learn and teach mathematics, also in relationship with other disciplines" - Contributo Ordinario sui Fondo di Ateneo.

She is **Member of the research group** (coordinated by I. Vannini and F. Arzarello) on the National standardized assessment system INVALSI -Seminaro permanente di ricerca su Didattica Generale e Didattiche Disciplinari - Società Italiana di Ricerca in Didattica (SIRD) – since 2017.

She is currently **Teaching Member** of the PhD Program (XXXVII Ciclo) in "Informatica e Matematica" - University of Bari Aldo Moro.

She was also **Teaching Member** of the PhD Program (XXIX Ciclo) in "Informatica e Matematica" - University of Bari Aldo Moro (from 2013 to 2017); **Tutor e thesis supervisor** - PhD Program (XXIX Ciclo) in "Informatica e

Matematica”, University of Bari Aldo Moro - Title of the thesis: “Properties of Classical Differential Geometry for camera calibration in Computer Vision”; **Teaching Member**: PhD Program (XXIV Ciclo) in “Storia e Didattica delle Matematiche, della Fisica, della Chimica” - University of Palermo (from 2010 to 2012) and **Referee** of the thesis: “Convinzioni e cambi di convinzioni degli studenti sugli errori e sullo sviluppo della conoscenza in matematica (studenti di età 14 -18)” (2013).

Her main **research interests** actually concern: the use of digital artifacts to construct shared mathematical meanings in the classroom; methodological and technological resources to foster teachers’ collaboration and professional development; teacher professional development concerning technology use in secondary mathematics; the synergy between manipulatives and digital artefacts to construct mathematical meanings; the connection between the National INVALSI standardized mathematics tests and the teaching practices at primary school level.