

Biosketch:

Alfio Quarteroni is an Emeritus Professor at Politecnico di Milano and at EPFL, Lausanne. He is the founder of MOX at Politecnico di Milano. Quarteroni is a member of several academies, including the Accademia Nazionale dei Lincei, the European Academy of Sciences, the Academy of Europe, the Lisbon Academy of Sciences, and the Italian Academy of Engineering and Technology. He has authored 25 books and more than 450 research papers. Quarteroni has been honored with numerous awards, including the NASA – Group Achievement Awards (1992), the Galilean Chair from Scuola Normale Superiore in 2011, the International Galileo Galilei Prize for Sciences in 2015, the ECCOMAS Euler Medal in 2022, the ICIAM Lagrange Prize in 2023, the Blaise Pascal Prize for Mathematics in 2024, the ECCOMAS Ritz-Galerkin medal in 2024, the SIAM Ralph Kleinman Prize in 2025. His research spans applications in medicine, earthquake geophysics, environmental science, aeronautics, and the oil industry. He led the mathematical modeling for the design of Alinghi, the Swiss yacht that won the America's Cup in 2003 and 2007, and developed the first comprehensive mathematical model of the human heart.

<https://link.springer.com/book/10.1007/978-3-031-92973-1>
<https://www.hoepli.it/libro/l-intelligenza-creata/9788836020089.html>

Alfio Quarteroni

Professor Emeritus – Politecnico di Milano, Italy. Founder (2002) and first director (2002-2022) of MOX

Professor Emeritus – EPFL Lausanne, Switzerland. Founder (2010) and first director (2010-2015) of MATHICSE

Senior Research Fellow, Oden Institute, University of Texas at Austin (2025 -)

European Academy of Sciences; The Academy of Europe (Academia Europaea); Accademia Nazionale dei Lincei (The Italian Academy of Sciences); Italian Academy of Engineering and Technology; Lisbon Academy of Sciences; SATW (the Swiss Academy of Engineering Sciences); Istituto Lombardo, Accademia di Scienze e Lettere

Euler Medal 2021-22 by ECCOMAS - Lagrange Prize 2020-23 by ICIAM - Blaise Pascal Medal in Mathematics 2024 by European Academy of Sciences - Ritz-Galerkin Medal 2021-24 by ECCOMAS - Ralph E. Kleinman Prize 2025 by SIAM

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