

CURRICULUM VITAE of ALFIO QUARTERONI

- Professor Emeritus, Ecole Polytechnique Fédérale de Lausanne, EPFL [2017 – present]
- Professor Emeritus, Politecnico di Milano [2022 – present]
- Presidente, Fondazione Comunitaria Provincia di Lodi [2024 – present]

Previous Positions

- Professor of Numerical Analysis at Politecnico di Milano [1989 –2022]
- Founder and Director of MOX (Laboratory of Modeling and Scientific Computing) Politecnico di Milano <https://mox.polimi.it/> [2002 –2022]
- Professor of Mathematics and Director of the Chair of *Modelling and Scientific Computing* at the Ecole Polytechnique Fédérale de Lausanne, EPFL [July 1998 – December 2017] <http://cmcs.epfl.ch/>
- Full Professor of Mathematics, University of Minnesota at Minneapolis [1990 - 1992]
- Full Professor of Numerical Analysis, Catholic University of Brescia, and Chairman of the Department of Mathematics [November 1986 – October 1989]
- Researcher at the Istituto di Analisi Numerica of the C.N.R. (Italian Research Council) of Pavia [April 1977 – October 1986]
- Research Fellow in Numerical Analysis at Université P&M Curie, Paris [1979 –1980]
- Military Service (Artillery Officer) [January 1976 – April 1977]
- Researcher at Montedison – Donegani Research Institute, Novara (Italy) [July 1975 – January 1976]
- Italian Laurea in Mathematics, University of Pavia (Italy) [November 1971 – June 1975]

Member of the Following Academies

- Accademia Peloritana dei Pericolanti (since 2023)
- Italian Academy of Engineering and Technology (founding member, 2022)
- Academia das Ciencias de Lisboa (Lisbon Academy of Sciences) (foreign member since 2018)
- Academia Europaea Academy of Europe) (since 2014)
- European Academy of Sciences (since 2010) - Head of Computation and Information Sciences Division (2014-2017)
- SATW (the Swiss Academy of Engineering Sciences) (expert since 2012)
- European Society of Computational Methods in Sciences and Engineering (honorary fellow since 2010)

- Accademia Nazionale dei Lincei, Roma (Italian National Academy of Sciences) (corresponding member since 2004 – full member since 2019)
- Istituto Lombardo di Scienze e Lettere (Lombard Academy of Science) (since 1995)

Awards (in Italy)

- Recipient of the Galileian Chair, Scuola Normale Superiore, Pisa, Italy, 2001
- Premio Agrumello, 2003
- Fanfullino d'oro della Riconoscenza 2006, Città di Lodi
- Premio Scientifico Capo D'Orlando, 2006, Museo Mineralogico Campano
- Premio Ghislieri alla carriera 2013 (Lifelong Ghislieri Prize 2013)
- Premio Rotary 2024 Adda Lodigiano
- Premio 2017 per l'Arte, Pro-LoCo Lodi, 22 September 2017
- Premio Pianeta Galileo, Tuscany Regional Council, 2019
- Dr. h.c. in Naval Engineering, University of Trieste, 2003

Awards (international)

- NASA Group Achievement Award for the pioneering work in Computational Fluid Dynamics, 1992
- Galileo Galilei International Prize for Science 2015
- Feng Kang Prize 2013 of the Chinese Academy of Sciences
- The Euler Medal 2021-2022 by ECCOMAS
- The Lagrange Prize 2020-2023 by ICIAM
- The Blaise Pascal Medal 2024 by the European Academy of Sciences
- The Ritz-Galerkin Medal 2024 by ECCOMAS
- Plenary Speaker at the International Congress of Mathematicians, Madrid 2006

Best Paper Awards

- SIAM Outstanding Paper Prize, 2004
- The Oden-Hughes Award for the best paper published in CMAME in 2022-2023

ERC Grants

- Recipient of the ERC Advanced Grant « MATHCARD », 2008-2013
- Recipient of the ERC PoC (Proof of Concept) Award “From Math to Ward”, August 2012
- Recipient of the ERC PoC (Proof of Concept) Award “Math4AAARisk”, June 2015
- Recipient of the ERC Advanced Grant « i-HEART », 2017-2022

Honors

- Member of the Scientific Committee of Human Technopole (since 2022)
- EAMBES Fellow (European Alliance for Medical and Biological Eng. & Science) (since 2020)
- Author of the entry “Matematica” of Enciclopedia Treccani:
<http://www.treccani.it/magazine/atlane/cultura/Matematica.html>
- Member of the IMU Circle (International Mathematical Union) (since 2014)
- Honorary member of ECMI (since 2014)
- Socio Fondatore UMI (Unione Matematica Italiana), since 2023
- Fellow of SIAM (since 2009 – first row)
- Member of SIAM Board of Trustees (2009-2013)
- Paul Harris Fellow, 2008
- IACM (International Association of Computational Mechanics) Fellow Award, 2004
- Laurea Honoris Causa in Naval Engineering, Università di Trieste, 10 October 2003
- Research consultant of the ICASE, NASA Langley Research Center, Hampton, VA (1984-88)
- Fellow of the Minnesota Supercomputer Institute, Minneapolis, Minnesota (1990-92)