

# Biographical sketch of Alfio Quarteroni

## CURRENT POSITIONS

- Director of the Chair of Modelling and Scientific Computing at the EPFL (Swiss Federal Institute of Technology), Lausanne (Switzerland), since 1998.
- Professor of Numerical Analysis at the Politecnico di Milano (Italy), since 1989.
- Scientific Director of MOX, Politecnico di Milano, since 2002.

## PREVIOUS POSITIONS

- Head of the Scientific Research Division of CRS4, Center for Research and Advanced Studies in Sardinia (whose president is Carlo Rubbia).
- Professor of Mathematics at the University of Minnesota (Minneapolis).
- Professor of Numerical Analysis at the Catholic University of Brescia, and Chairman of the Department of Mathematics.
- Researcher at the Istituto di Analisi Numerica of the C.N.R. (Italian Research Council) of Pavia.

## PUBLICATIONS

- Author of 18 books (16 published by Springer, 1 by Oxford University Press, 1 by Esculapio)
- Editor of 4 books (two published by Springer, 1 by North-Holland Elsevier, 1 by the American Mathematical Society)
- Author of more than 200 papers published in international Scientific Journals and Conference Proceedings.
- Invited speaker in more than 200 International Conferences and Academic Departments.
- Member of the editorial board of 17 International Journals and 3 Book Series

## AWARDS/HONORS

- NASA Group Achievement Award for the pioneering work in Computational Fluid Dynamics as a member of the ICASE numerical analysis and algorithms group, 1992.
- Member of the Lombard Academy of Science (Istituto Lombardo di Scienze e Lettere), 1995
- Chairman of the Mathematics and Computer Science RTN evaluation panel of E.U., 1999.
- Recipient of the Galileian Chair, Scuola Normale Superiore, Pisa, Italy, 2001.
- Laurea Honoris Causa in Naval Engineering at University of Trieste, Italy, October 2003.
- Recipient of the SIAM (Society for Industrial and Applied Mathematics) Outstanding Paper Prize 2004 (Paper in collaboration with A. Veneziani and P. Zunino).
- IACM (International Association of Computational Mechanics) Fellow Award, 2004.
- Member of the Accademia Nazionale dei Lincei (*the Italian Academy of Sciences*), 2004.
- 2005 Karlovitz Lecture Series at Georgia Institute of Technology, Atlanta, USA
- Plenary lecturer at the International Congress of Mathematicians, ICM 2006, Madrid
- Fanfullino della Riconoscenza 2006, Città di Lodi.
- Premio Capo D'Orlando 2006.

The Group of Alfio Quarteroni has carried out the mathematical simulation for the optimisation of performances of the Alinghi yacht, the winner of the past two editions (2003 and 2007) of the America's Cup.