

Dr. Daniela Mansutti
Director of Research
Istituto per le Applicazioni del Calcolo
"M. Picone", C.N.R.

Curriculum vitae et studiorum

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- 1983, C.N.R. fellowship for Laurea candidates
- 1984, Laurea Degree in Applied Mathematics at Univ. *La Sapienza*, Rome (110 cum laude)
- 1986, I.N.D.A.M. fellowship for research applicant
- 1986 - 1997, Research Scientist, permanent position, in “Mathematical differential modelling and numerical solution” at Istituto per le Applicazioni del Calcolo (I.A.C.), Council for National Research (C.N.R.), Rome (by open national competition)
- 1987-1989, Visiting Researcher, two year appointment, at Dept. Mathematics and Statistics and Dept. Mechanical Engineering, Univ. of Pittsburgh, Pennsylvania (USA), partially supported by a C.N.R. fellowship (by national competition). Under the advisory of Prof. K. R. Rajagopal, I specialized in the study of ‘Non-linear problems in mechanics’ and taught Applied Mathematics courses for Bachelor degree
- 1992 - 2003, Adjunct Lecturer in Numerical Analysis and Mathematical Differential Modelling within Laurea degree programs in Mathematics, Chemistry and Engineering at several Italian universities (*L’Aquila, La Sapienza, Tor Vergata* and *Roma Tre*, Rome)
- 1997 - 2006, Senior Scientist, permanent position, at I.A.C.-C.N.R., Rome (by open national competition)
- 2006 to present, Director of Research, permanent position, at I.A.C.-C.N.R., Rome (by CNR national competition)
- 2009 to 2021, elected member of the Scientific Committee of I.A.C.-C.N.R (two mandates).

I am author of over 60 papers on peer-reviewed international ISI journals or volumes, and of several technical reports.

Since 1991 I have been being Coordinator and/or Principal Investigator of numerous projects, most of them funded by national and international research agencies and several ones funded by CNR.

I have started at I.A.C. the research activity on *mathematical and numerical modelling of non-newtonian fluids* and *liquid/solid phase transition processes*.

I have been Advisor of younger researchers and of students for their Laurea degree thesis.

I have organized inter-disciplinary International Workshops on several research topics related to my research work and have been being member of the Scientific and Organizing Committee of International Conferences.

I have been Guest Editor of two special issues of the international journal Mathematics and Computers in Simulation and, since 2018, I have been appointed as Associate Editor. Since 2021 I am member of the Editorial Advisory Board of Intl. Journal of Engineering Science.

I have been Reviewer for Physics of Fluids, Int. Jour. of Nonlinear Mechanics, Meccanica, Int. Jour. for Numerical Methods in Fluids, Computer Methods in Applied Mechanics and Engineering, Jour. Computational and Applied Mathematics and Physics of Fluids.

I have been member of several Commissions for the evaluation of candidates to the role of scientific researcher and for researcher carrier progression, of candidates and research proposals for the CNR Short-Term Mobility program.

I am Associated Member of:

- UMI, Unione Matematica Italiana
- SIMAI, Societa' Italiana per la Matematica Applicata e Industriale
- INDAM / GNFM, Istituto Nazionale Di Alta Matematica / Gruppo Nazionale di Fisica Matematica
- IMACS, International Association for Mathematics and Computers in Simulation
- EGU, European Geoscience Union