

Juan Carlos Ferreri



Juan Carlos Ferreri graduated as an Aeronautical Engineer from La Plata University in 1967 and has dedicated his entire professional career to computational fluid mechanics and heat and mass transfer. He is widely regarded as a pioneer in this field in Argentina. A lifelong resident of Adrogué, Argentina, Juan is married to Norma and has three children, Federico, Cecilia, and Víctor, as well as three grandchildren.

For over thirty years, Juan worked in Nuclear Safety and Engineering in the regulatory field at the Nuclear Regulatory Authority of Argentina (ARN). Additionally, he has made significant contributions to the field of Archaeometry of prehistoric fire hearths using numerical models for over three decades.

Juan is a Fellow Member of the National Academy of Sciences of Buenos Aires (ANCBA) since 2009, a retired researcher at the National Research Council (CONICET), and the former President of the Board of Directors at ANCBA from 2017 to 2021. He has received the Senior 2004 Award for Research, Professional and Teaching Achievements in Argentina from the Argentinean Association for Computational Mechanics (AMCA).

Juan has been a member and President of the Argentine Committee for Heat and Mass Transfer (CONICET). He has also served as a visiting professor at different universities and has been a member of advisory committees at the university, CONICET, and other institutions. Juan lectures on numerical methods as applied to natural circulation in nuclear installations and heat transfer effects in soils for archaeometry purposes in Argentina and abroad. He also serves as a reviewer for international learned journals and has been a member of Scientific Committees and Honorary and Organizing boards at many scientific meetings.

Juan has taught numerical methods mainly at postgraduate courses in Argentina and abroad, including Italy, the USA, China, France, and Peru. He is also an external member of examination staff for Ph.D./MSc theses and has served as an external peer in Advisory Committees for Nuclear Engineering, Instituto Balseiro, for the selection and promotion of Nuclear Engineering professors on several occasions. He has also served on the Engineering careers accreditation institution (CONEAU).

Between 1995-2010, Juan collaborated intensively with researchers at the University of Pisa, focusing on developing computer systems codes for Nuclear Safety analysis of nuclear installations. In the field of Radiological Safety, he managed the Scientific Support Branch to the ARN for seven years before his retirement and led the accreditation (ISO 17025) of various laboratories for radionuclide concentration and ionizing radiation determination.

Juan has published over one hundred papers in his areas of expertise and has delivered dozens of seminars and invited conferences both domestically and internationally.