



PROF. VINICIO MAGI

RESUME:

Vinicio Magi is a Professor at the School of Engineering of the University of Basilicata since 2000. He graduated with honors in Mechanical Engineering at the University of Bari where he was appointed Assistant Professor until 1992. Then, he joined the University of Reggio Calabria as an Associate Professor. He was also appointed as a Visiting Scientist in the Department of Mechanical and Aerospace Engineering at Princeton University (USA) and he worked as a Visiting Associate Professor at the Department of Mechanical Engineering at the University of Minnesota (USA). He has been a Visiting Professor at the School of Mechanical Engineering at Purdue University (USA) and currently he is Visiting Professor at the Department of Mechanical Engineering at San Diego State University. He has taught courses in the underlying fundamental sciences and mathematics such as Thermodynamics, Fluid Dynamics and Numerical Analysis and applied engineering courses such as Turbomachinery, Internal Combustion Engines and Power Systems. He has been a member of scientific committees of several international conferences and he is a reviewer of prestigious scientific journals. He has been an invited lecture at several national and international universities and research centers. He is a senior author and co-author of over 140 papers, published on international journals and presented at national and international conferences. The overall focus of his research activity is on understanding the physical processes related to fluid flow, heat and mass transfer, energy conversion and combustion in thermal system design and optimizing such processes to improve performance in terms of higher efficiency, reduced emissions and lower costs. His major research interests are: incompressible and compressible fluid mechanics, turbulent reacting flows, sprays, numerical analysis, large eddy and direct numerical simulations as applied to internal combustion engines, marine applications, external flows such as aeroflows and internal flows such as in scramjets. He has developed several software packages for research and industrial applications. Among them, he wrote the REC and the FLEDS numerical codes that are used by researchers in several universities in USA, Australia and Europe. He is a member of the Society of Automotive Engineers (SAE) and the Italian Thermotechnical Society (ATI).

OFFICE HOURS FOR STUDENTS AND OFFICE LOCATION:

Tuesday 3:00pm-7:00pm and Wednesday 10:00am-2:00pm. Macchia Romana Campus, School of Engineering (Engineering Building, room 70 - Fifth floor).

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