

## CURRICULUM VITAE

### Gianfranco Caruso

Born in Roma, the 8th of September, 1960

- Master Degree in Nuclear Engineering (1984)
- PhD in Energy Engineering (1989).
- Postgraduate certificate in Industrial Safety and Protection (1992).
- Lecturer in Nuclear Plants from 1986 to 2000, he was Adjunct Professor from 2000 to 2006.
- Researcher and Assistant Professor in Applied Physics (2006-2012) – Faculty of Architecture of Sapienza, University of Rome.
- Actually he is Researcher and Assistant Professor in Nuclear Plants (2011-today) at the Faculty of Civil and Industrial Engineering of the Sapienza, University of Rome

He is habilitated as Associate Professor (2014) and Full Professor (2017) in Thermal Sciences, Energy Technology, Building Physics and Nuclear Engineering by the Italian National Scientific Habilitation.

He is currently Scientific Responsible of the Thermal-Hydraulics laboratory, Coordinator of the Nuclear Section and member of the Executive Committee of DIAEE (Department of Astronautical, Electrical and Energy Engineering) – Sapienza, University of Rome.

Gianfranco Caruso is Liaison Officer of the OECD-NEA Data Bank for the DIAEE.

He is Representative Member of Sapienza in the Governing Board of CIRTEN (Consorzio Interuniversitario per la Ricerca Tecnologica Nucleare).

Author of more than 150 scientific publications in international and national Journals and Conferences and more than 40 technical reports.

Gianfranco Caruso is in the Editorial Board of the journal "Latin American Applied Research (LAAR)" - ISSN: 0327-0793 - for the subject "Heat and Mass Transfer".

He is reviewer for several scientific journals in the field of energy, heat transfer and thermal-hydraulics (Int. J. of Heat and Technology, J. of Heat Transfer, J. of Fluid Engineering (ASME Journals), Building and Environment, Exp. Thermal and Fluid Science, Int. J. of Thermal Science, Desalination, Heat Transf. Eng., J. of Physics - Conference Series, Int. J. of Heat and Mass Transfer, Fusion Eng. and Design, Annals of Nucl. Energy, Applied Thermal Engineering).

In 2003 he was awarded of the Prize "Le Scienze" – IV Ed. - as Young Researcher in Nuclear Engineering.

From 1984 he acquired particular expertise in the following topics, mostly well documented by scientific publications: advanced heat transfer and thermal-hydraulics in nuclear plants; alternative energy and energy saving; air heating and conditioning; two-phases heat transfer and flow; design of components and systems for energy production plants; studies on physical properties of fluids; heat exchange equipments; thermodynamic cycles of nuclear power plants; industrial safety.

- Member of the Scientific Council of International Center of Heat and Mass Transfer (ICHMT)
- Member of UIT (Italian Union of Thermal-Hydraulics)
- Member of the European Academy of Sciences and Arts.