GUIDO LA ROSA   CV 01/2020

Full Professor of Mechanical Design at DICAR- University of Catania.

Graduated at the University of Pisa (Italy) on 1978.

Assistant Professor at the University of Catania (Italy) since 1983. Associate Professor at the University of Catania (Italy) since 1992. Full Professor since 2000 at the same University.

Since 1983, he taught many courses of Machine Design, Stress Analysis, Mechanical Measurements, Mechanical Behaviour of Materials, Biomechanics, and Integrated Product Design.

In the 90ties for some years, he was Professor of Mechanical Behaviour of Materials at the University of Messina (Italy).

For many years, he taught a course of Biomechanics at the Faculty of Medicine, School of Specialization in Orthopaedics, since the academic year 2012-13 he teaches Biomechanics at the course of Physiatry.

Manager of the Mechanical Laboratory at DICAR.

He is author of more than 250 papers in the fields of experimental mechanics, machine design, ecodesign and biomechanics, published on international journals, Italian reviews, proceedings on national and international conferences; one chapter on international book, one book for a leading international publishing house and 8 National Patents.

Scopus: H-number 16, citations over 1400.

Since 1995 until 2003 he is member of the Direction Council of AIAS (Stress Analysis Italian Association) and, since 1997 until 2003, National Secretary of the Association.

Guido La Rosa had coordination responsibilities in several research projects funded by Italian Government and industrial companies.

His research interests focus on the analysis and design of mechanical component and systems, as well as in material testing, mainly by traditional and innovative methodologies in dynamics, biomechanics, and eco-design.

The contribution in the projects could be related to the design of mechanical components or systems, their testing in static or dynamic conditions, stress analysis by thermal measurements, numerical modeling, Integrated Design and Eco-design.

Expertises:

Machine design, Stress analysis, Experimental and numerical analysis, Mechanics of materials, Biomechanics, Eco-design, Thermography.