

## **Prof. Ing. Carmine Pappalettere**

### Short Curriculum Vitae



#### **- Actual Position**

Full professor (1990) of “Mechanical Engineering and Experimental Mechanics”, Dipartimento di Meccanica, Matematica e Management – DMMM (Mechanical Design Division), Politecnico di Bari (PoliBa), [carmine.pappalettere@poliba.it](mailto:carmine.pappalettere@poliba.it), tel. +39 329 6509402.

#### **- Education**

1975 Master degree in Mechanical Engineering, Università degli Studi di Bari.

#### **- Classes**

Aerospace design, Design of machines, Design of ground vehicles, Experimental stress analysis, Experimental mechanics, Engineering for Industrial Design, Mechanical Design.

#### **- Academic work experience**

- President of the Computer Center of Politecnico di Bari (1996-1998);
- Head of the Dept. (2000-2004);
- Coordinator of Ph.D. courses in Mechanical and Biomechanical Design (2004-2009).

#### **- Memberships**

- President of European Society for Experimental Mechanics, EURASEM (2012-2016);
- President of the Italian Society for Stress Analysis, AIAS (2000-2004);
- Chair of European Association of Experimental Mechanics (2000-2004);
- Fellow of the Society for Experimental Mechanics (SEM), Uncasville – USA, 2011.

#### **- Scientific prizes, Chairmanships and Invited Lectures**

- Award of Merit for Outstanding Contributions to the field of Experimental Mechanics Greece, 2007 and Porto – Portugal, 2012;
- Life Time Achievement Award from EURASEM, European Society for Experimental

Mechanics, Brussels, 2018.

- Invited lecture Speaker and President of sessions at many Conferences.

- **Collaboration with International Journals**

- Member for many years of the Editorial Boards of “Strain” Magazine and of the “Journal of Strain Analysis for Engineering Design”.
- Reviewer of many International Journals.

- **Research Activity:**

- The research activity focuses on stress/strain analysis of structures with both experimental techniques (Strain Gages, Photoelasticity, Moiré, Holographic and Speckle Interferometry, Atomic Force Microscopy) and numerical methods (Finite and Boundary Element Methods, Non-linear and Non-Convex Problems, Optimization-based Inverse Analysis).
- Welded joints, stress concentrations, biomechanical problems are particular topics studied.
- He published more than 400 papers in international journals, edited books and conferences proceedings.
- 178 papers are counted on Scopus, with a total number of 1719 citations for a h-index of 24.

- **Relevant experiences as Research Projects Coordinator**

Scientific coordinator of more than 20 research projects in the last 10 years funded by different public and private Companies and Italian Ministries with more than 12 M€ on Mechanical, Aeronautical and Biomechanical subjects.

- **Other activities**

- Member (1997-2011) and President (2002-2011) of the Administrative Board of CENTRO LASER (Research Center devoted to laser applications);
- Member of the Administrative Boards of other Societies and Consortia (1994-2013);
- President of the Technical Committee of the CALEF Consortium (2013-2017);
- Participation as inventor in 5 patents.