

## Curriculum Vitae ROSA DI LORENZO

- **Current position and relevant past positions (e.g. PhD and thesis title).**

- ✓ September 2018-present, Full professor in Manufacturing Technology at University of Palermo
- ✓ 2005-2018, Associate professor professor in Manufacturing Technology at University of Palermo
- ✓ 1999-2005, Assistant professor in Manufacturing Technology at University of Palermo
- ✓ 1995-1998 PhD in Production Engineering at University of Palermo; dissertation on AI techniques in design and control of forming processes.

- **Main research interests and cooperation**

Author of more than 100 scientific papers in cooperation with different co-authors from both Italian and European institutes. In particular, some collaborations have been developed with:

- prof. Francisco Chinesta (Research Institute of Civil Engineering and Mechanics, UMR CNRS - Ecole Centrale de Nantes-Nantes University);
- prof. David Dornfeld (Laboratory for Manufacturing and Sustainability-University of California, Berkeley);
- prof. Joost Duflou (Centre for Industrial Management/Traffic & Infrastructure - KU Leuven)

The main research interests concerned:

- Manufacturing processes design and control;
- Process optimization;
- Sustainable manufacturing.

About sustainable manufacturing the main topics concern methods and techniques for Life Cycle Assessment (LCA) of metal-based component- Life Cycle Inventory (LCI) techniques for manufacturing approaches comparison - sheet metal forming environmental assessment - design of energy and resource efficient metal shaping processes.

- **Institutional roles.**

Currently, Vice-Rector of University of Palermo for: 1) Orienteering, 2) Students services, 3) Teaching logistic organization;

2011-2019 Head of the Board for Bachelor and Master Degree in Management Engineering, University of Palermo;

2015-2018 Vice-Dean of the Polytechnic School, University of Palermo;

2010-2013 Delegate of the Dean of the Faculty of Engineering (University of Palermo) for Teaching activities coordination.

- **Teaching activities**

Courses held in graduate programs:

- Manufacturing Technology for Bachelor Degree in Management Engineering
- Product design and development for Bachelor Degree in Management Engineering and for Bachelor Degree in Innovation engineering for digital enterprises.

### **Total number of publications**

Author of more than 100 papers; 57 of the scientific papers are counted in Scopus with a total number of 738 citations, with an H index equal to 14.

- **Organization of conferences.**

Member of the organizing committee of the following scientific conference:

- ✓ ESAFORM 2018, International ESAFORM Conference on Material Forming;
- ✓ XII Convegno dell'Associazione Italiana di Tecnologia Meccanica A.i.Te.M 2015.
- ✓ 17th International Conference on Sheet Metal (2017)- SheMet17;
- ✓ 15th international Conference on Metal Forming, METALFORMING 2014;

- ✓ 12th International Conference on Sheet Metal (2007)- SheMet07;
- ✓ 1st Congresso del Coordinamento della Meccanica Italiana;
- **Participation to technical committees of conferences**
  - ✓ Co-editor of Proceedings of the 21st international Esaform Conference on Material Forming: Esaform 2018.
  - ✓ Editorial Committee member for Procedia Engineering 2017 -17th International Conference on Sheet Metal, SHEMET17
  - ✓ Scientific Committee member for AITEM 2017 Conference
  - ✓ Editorial Committee member for Key Engineering Materials vol.344.-Proceedings of International Conference on Sheet Metal 2007 SHEMET07.
- **Research mentoring**
  - ✓ 2006-2008 tutor for PhD course of Dr. Giuseppe Ingarao (Thesis "C.A.E. methods for design and control of metal forming processes");
  - ✓ 2009-2011 tutor for PhD course of Dr. Laura Marretta (Thesis "Sheet Stamping Processes Design: Optimization Methodologies for Robust and Environmental Conscious Decisions");
  - ✓ 2009-2012 Tutor of post doc grant on "Forming processes optimization";
  - ✓ Member of the board of the PhD Course in Technological Innovation Engineering-University of Palermo.
- **National and international grants**
  - ✓ Rosa Di Lorenzo took part as a participant in several research projects developed by the Manufacturing Technology group of the University of Palermo. Actually, she was involved in projects founded by different institutions: University of Palermo, Sicilian Regional Government, Italian Ministry of University and Research.  
As Principal investigator  
 Project PO FESR 2014/2010 Azione 1.1.5 "Sviluppo ed Ingegnerizzazione di un Dispositivo Medico per Fissazione Interna con proprietà Bioattive" – BioActiFix". Total Budget 1,5 M€
- **Membership in national and international associations.**
  - ✓ Member of Italian Association of Manufacturing Technology (A.I.Te.M.)
  - ✓ Member of European Scientific Association for Material Forming (ESAFORM)