

## **Alessandro De Luca**

### **Academic position**

- Researcher B) Type at the University of Campania Luigi Vanvitelli - Department of Engineering.

### **Qualifications**

- National Academic Qualification as Associate Professor (11/2018 – 11/2027).
- Government exam: Professional Engineer License (2013).

### **Education**

- From 22/07/2019 to 21/07/2022 Researcher A) Type at the University of Campania Luigi Vanvitelli - Department of Engineering.
- PhD - “Doctor Europaeus” in Industrial and Information Engineering - Second University of Naples (12/2016).
- Master’s Degree in Mechanical Engineering for the Design and Production (05/2013).

### **International research activities**

- Lecturer at the NTNU Faculty of Engineering Science and Technology – Department of Industrial and Mechanical Engineering - 8 hours (09/2023).
- Lecturer at the NTNU Faculty of Engineering Science and Technology – Department of Industrial and Mechanical Engineering - 8 hours (02/2020).
- Lecturer at the NTNU Faculty of Engineering Science and Technology – Department of Industrial and Mechanical Engineering - 8 hours (10/2018).
- Lecturer at the University Politehnica of Bucharest, Faculty of Engineering and Management of Technological Systems - 18 hours (03/2018).
- PhD Visiting Student at the Imperial College of London - Department of Aeronautics, Supervisor M H Ferri Aliabadi. (01/2016 – 07/2016).

### **Award**

- Software Simulation Award – 51st International Conference on Stress Analysis AIAS 2022. Simulation entitled A. De Luca, D. Perfetto, A. Aversano, A. Polverino, N. Rezazadeh, R. Vallifuoco, A. Minardo, G. Lamanna, F. Caputo, Virtual Simulations for Structural Health Monitoring in Hydrogen Vessel.
- Software Simulation Award – 47th International Conference on Stress Analysis AIAS 2018. Simulation entitled Vertical Crash of a Composite Fuselage Section; A. De Luca, D. Perfetto, A. Greco, G. Lamanna, F. Caputo.

### **Patents**

- Patent application n. PCT/IB2023/056327, 01/09/2023, “Method and device for the identification of structural damages”.

- Patent application n. UIBM 102022000012982 20/ 06/2022, “Dispositivo e metodo per l’identificazione di danni strutturali”.
- Patent application n. 102018000010593 – 27/11/2018 “Laser printing process with ultrasound-assisted toner transfer”.

### **Scientific Activity**

- Scientific Commissioner and Organiser of more than ten international scientific conferences.
- Author of more than 60 papers published on international journals.

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