Marco Alfano

Nationality:

Address: Dipartimento di Scienze e Metodi Dell'Ingegneria, Via Amendola 2, Padiglione Morselli, 42122 , Reggio Emilia, Italy (Work)

WORK EXPERIENCE

1 NOV 2023 – CURRENT Reggio Emilia, Italy
FULL PROFESSOR DIPARTIMENTO DI SCIENZE E METODI DELL'INGEGNERIA, UNIVERSITY OF MODENA AND REGGIO EMILIA

Teaching and Scholarship. Areas: mechanical design; mechanics of solid bodies; design, analysis and fabrication of adhesive joints comprising metals and composites adherends; computational analysis of damage and fracture of adhesive joints; joining of 3D printed architected materials; material processing optimization using machine learning.

1 DEC 2023 – CURRENT Waterloo, Canada
ADJUNCT PROFESSOR DEPARTMENT OF MECHANICAL AND MECHATRONICS ENGINEERING

Teaching and Scholarship. Areas: mechanical design; mechanics of solid bodies; design, analysis and fabrication of adhesive joints comprising metals and composites adherends; computational analysis of damage and fracture of adhesive joints and interfaces in 3D printed multi-materials; joining of 3D printed architected materials; material processing optimization using machine learning; laser texturing of metals and composites.

1 MAY 2019 – 31 OCT 2023 Waterloo, Canada
ASSOCIATE PROFESSOR DEPARTMENT OF MECHANICAL AND MECHATRONICS ENGINEERING, UNIVERSITY OF WATERLOO

Teaching and Scholarship. Areas: mechanical design; mechanics of solid bodies; design, analysis and fabrication of adhesive joints comprising metals and composites adherends; computational analysis of damage and fracture of adhesive joints; joining of 3D printed architected materials; material processing optimization using machine learning; laser texturing of metals and composites.

1 JAN 2012 – 30 APR 2019 Rende, Italy
RICERCATORE (ASSISTANT PROFESSOR) DIPARTIMENTO DI INGEGNERIA MECCANICA, ENERGETICA E GESTIONALE, UNIVERSITY OF CALABRIA

Teaching and Scholarship. Areas: mechanical design; mechanics of solid bodies; design, analysis and fabrication of adhesive joints comprising metals and composites adherends; computational analysis of damage and fracture of adhesive joints; joining of 3D printed architected materials; surface preparation of metals and composites using lasers for adhesive bonding thereof.

EDUCATION AND TRAINING

2007 Rende, Italy
PHD University of Calabria

2003 Rende, Italy
LAUREA IN MECHANICAL ENGINEERING University of Calabria

PUBLICATIONS

List of publications available here:

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