

CURRICULUM VITAE ET STUDIORUM



Dr. Aldo Girimonte

CURRICULUM VITAE REDATTO AI SENSI DEGLI ARTT. 46 E 47 DEL D.P.R. 28/12/2000, N. 445

Il sottoscritto Aldo Girimonte nato a Cosenza il 01/03/1994 CF GRMLDA94C01D086V e residente a Marzi (CS) in via San Sebastiano 8, consapevole della responsabilità penale prevista, dall'art.76 del D.P.R. 445/2000, per le ipotesi di falsità in atti e dichiarazioni mendaci ivi indicate:

DICHIARA che le informazioni riportate sono veritiere.

WORK EXPERIENCE

2018-Present: Co-Founder and CTO – Novac s.r.l.

2020-2021: Researcher – Università di Modena e Reggio-Emilia

STUDIES

2024: Ph.D. in Industrial and Environmental Engineering “Enzo Ferrari”, University of Modena and Reggio Emilia. Thesis: *Materials synthesis, characterization techniques, and data interpretation for batteries and supercapacitors.*

2019: MS in Materials Engineering. Thesis: *Production and characterization of an innovative composite material for solid state supercapacitors*

2017: BS in Innovative Materials Science and Nanotechnologies. Thesis: *Methods for the characterization of scintillation plastic particle detectors*

RESEARCH ACTIVITY

Lithium-ion batteries; Supercapacitors; Electrochemical characterization methods for energy storage systems; Synthesis of nanostructured materials;

RELEVANT PUBLICATIONS

GIRIMONTE A., STEFANI A., INNOCENTI M., FONTANESI C. and GIOVANARDI R.; 2021. Influence of magnetic field on the electrodeposition and capacitive performances of MnO₂. *Magnetochemistry*, 7(2), pp. 1-18.

GIRIMONTE A., BERTOCCHI M., FABBRI A., BRUZZI L.; Assignee: Novac s.r.l.; Title: Supercapacitor for energy storage systems and related manufacturing method; IPN: WO 2022/074689 A1; IPD:14/04/2022

GIRIMONTE A., STEFANI, A., MUCCI C, GIOVANARDI R., MARCHETTI A., INNOCENTI M., FONTANESI C.; 2024. Electrochemical Performance of Metal-Free Carbon-Based Catalysts from Different Hydrothermal Carbonization Treatments for Oxygen Reduction Reaction. *Nanomaterials*, 14(2), 173.

UNGUREANU A., FRANCINI A., NERI P., GIRIMONTE A., GIOVANARDI R., FERRARI A.M., AND ROSA R.; 2024. Systematic Life Cycle Environmental Impact Comparison of Alternative Synthetic Strategies for Ti₃C₂T_x MXene, *ACS Sustainable Chem. Eng.*, 12, 15, 5893–5906.