

CURRICULUM VITAE

EUGENIO GIBERTINI

Research fellow (RTD-a)

SEE lab | Surface and Electrochemical Engineering laboratory

Politecnico di Milano

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Profile

I am currently research fellow (RTD-a) at Politecnico di Milano, working in surface treatments and electrochemistry group (SeeLab) guided by Prof. Luca Magagnin. My research topics focus on the development of new material for energy storage as well as the application of additive manufacturing techniques for the microfabrication of wearable energy storage devices.

Work experience

March 2023/currently – research fellow (RTD-a) at SeeLab group. Activities includes scientific research on the aforementioned topics, didactic activities (course of “Lithium batteries and beyond” and “Fondamenti chimici per le tecnologie”) and supervision of the experimental work of PhD candidates and master students.

July 2022/February 2023 - post-doctoral fellow at SeeLab group. Activities includes scientific research, didactic (practical lessons in chemistry fundamentals and applied electrochemistry) and supervision of the experimental work of master students.

Education

July 2022 - PhD in Materials Engineering at Politecnico di Milano (110 cum laude), with the doctoral thesis title “Fabrication of energy storage microdevices and their application on textiles. During the PhD period I had the chance to supervise many master students and work on side projects on hydrophobic coatings, flame retardant, anti-corrosion and anti-wear surface treatments.

January 2021/March 2021 - Start-up Accelerator program S2P (PoliHub) and Eni Joule. I attended the acceleration program for entrepreneurship as team member of LIFT Energy project.

October 2016 - Master degree in Materials and Nanotechnology Engineering (110/110) at Politecnico di Milano with the experimental thesis work: “Synthesis of carbon fillers for flame retardant treatment on textiles”

2013 - Bachelor degree in Ingegneria dei Materiali e Nanotecnologie at Politecnico di Milano.

Awards

2021 - Eni Joule prize in SwitchToProduct (S2P) call for new innovative entrepreneurship idea, achieved as member of LIFT Energy team, proposing an innovative surface treatment applied on metallic lithium to be employed in rechargeable Li-metal batteries

2021 - Student award at the PCNS conference with the oral presentation title: “Fabrication of micro supercapacitor for textile energy storage”

Scientific involvement

With H-index 8, I am author and co-author of more than 15 scientific papers mainly published in Q1 ranked journal and 8 patents. I am member of the ECS (Electrochemical Society) and I attended international conferences with poster and oral contributions (ISE, ECS, MRS, PCNS).