



Project 101120311 — eNargiZinc

PROGRAMME

eNargiZinc School 1

Sustainable materials for next generation electrochemical energy storage

22nd and 23rd January 2025

INSTM, Florence, Italy

Wednesday 22nd January

09:30–10:20	<i>Batteries and sustainability.</i> Prof. Francesco Nobili (INSTM, University of Camerino, Italy)
10:20–11:10	<i>Beyond standard Li-ion: next generation of Li batteries and alternative chemistries.</i> Prof. Riccardo Ruffo (INSTM, University of Milano-Bicocca, Italy)
11:10–11:40	Coffee break
11:40–12:30	<i>Cathode materials for sodium-ion batteries.</i> Dr. Ivana Hasa (The University of Warwick, UK)
12:30–14:00	Lunch
14:00–14:50	<i>Biomass-derived carbons as anodes in sodium-ion batteries.</i> Mr. Darío Alvira (Universidad de Zaragoza, Spain)
14:50–15:40	<i>Advanced electrolytes and sustainable solutions for Na-based systems.</i> Dr. Hamideh Darjazi (INSTM, Politecnico di Torino, Italy)
15:40–16:10	Coffee break
16:10–17:30	Discussion on sustainable sodium-ion batteries

Thursday 23rd January

- 09:30–10:20 *Carbon materials for zinc-ion batteries and hybrid supercapacitors.* Prof. Joan J. Manyà (Universidad de Zaragoza, Spain)
- 10:20–11:10 *Electrolyte and Interphase design for stable Zn metal electrodes.* Dr. Alberto Varzi (Helmholtz Institute Ulm, Germany)
- 11:10–11:40 Coffee break
- 11:40–12:30 *Bifunctional Cathodes and Gel Polymer Electrolytes for Rechargeable Zinc-air batteries.* Dr. Nagore Ortiz-Vitoriano (CIC energiGUNE, Spain)
- 12:30–14:00 Lunch
- 14:00–14:50 Sustainable electrode manufacturing for EDLC and Hybrid Capacitors. Dr. Alberto Varzi (Helmholtz Institute Ulm, Germany)
- 14:50–15:40 *Redox polymers for organic batteries.* Dr. Nagaraj Patil (IMDEA Energía, Spain)
- 15:40–16:10 Coffee break
- 16:10–17:30 Discussion on zinc-based batteries and hybrid supercapacitors
- 20:00 Dinner and social party



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Workshop 1

Personal Effectiveness Skills: Managing Your PhD

24th January 2025

INSTM, Florence, Italy

09:30–10:15	Welcome and General Laws of Doing Science
10:15–11:00	Effective Prioritization
11:00–11:30	Coffee break
11:30–12:30	Self- and Time-Management Techniques
12:30–14:00	Lunch
14:00–14:45	Project Management Techniques
14:45–15:30	Communication with Stakeholders, Colleagues, Supervisor
15:30–16:00	Coffee break
16:00–17:00	BONUS: Boost Effectiveness and Efficiency with Generative AI
17:00–17:30	Closeout & Goodbye