Sunday, 5 July 2026

16:00 – 18:00 Registration

Monday, 6 July 2026

08:00 – 09:00 Registration

Time	Format	Speaker	Title
Tutorial session			
09:00 – 09:40	Tutorial	Camelia Matei Ghimbeu	Physicochemical Characterization of Carbon Materials
09:40 – 10:20	Tutorial	Oskar Paris	Understanding Confinement and Ion Desolvation in Electrically Charged Carbon Nanopores
10:20 – 11:00	Tutorial	Jeronimo Miranda	Electrochemical Operando Analyses
11:00 – 11:30	Coffee break		

11:30 – 11:50 Conference opening

Time	Format	Speaker	Title
Session 1: Metal-ion capacitors			
11:50 – 12:20	Keynote	Katsuhiko Naoi	LIC or NIC? Next-Generation Ion Capacitors through Nano-Engineered LVP/NVP NASICON Materials
12:20 – 12:40	Oral	Marie-Eve Yvenat	Cationic and anionic hybrid positive electrodes for enhanced potassium-ion capacitors
12:40 – 13:00	Oral	Pietro Zaccagnini	K_2CO_3 as Pre-Potassiation Agent for K-ion Capacitors, Potential for Sustainable Scalability
13:00 – 14:00	Lunch		
Session 2: EDL Charge Storage and Applications Derived from Capacitive Effects			
14:00 – 14:30	Keynote	Slawomir Porada	Supercapacitor Materials for Water Treatment: From Charge Storage to Ion Separation and Process Design
14:30 – 14:50	Invited	Hirotomo Nishihara	Electronic Limitations in Carbon-Based Capacitors
14:50 – 15:10	Invited	Enn Lust	Analysis of the surface layer potential drop at carbon electrolyte interfaces

15:10 – 15:30	Invited	Scott Donne	The Nature of the Electrified Interface in Electrochemical Capacitors
15:30 – 16:00	Keynote	Francesca Soavi	Upcycling Battery Cathode Wastes into Novel Electrode Materials
16:00 – 16:30	Coffee break		
Session 3: Carbons and EDLCs			
16:30 – 16:50	Invited	Ana Karina Cuentas-Gallegos	Eco-Designed Carbon Electrodes for Supercapacitors: From Sustainable Biomass Processing to Charge Storage Mechanisms
16:50 – 17:10	Oral	Alexander Forse	Understanding the capacitance of nanoporous carbons using NMR spectroscopy
17:10 – 17:30	Oral	Florence Duclairoir	How graphene aerogel N-doping influences interfacial processes and capacitance in supercapacitors
17:30 – 17:50	Oral	Mattia Bazzani	Rapid State-of-Health estimation via combined self-discharge and capacitance analysis in EDLC supercapacitors
17:50 – 18:10	Young Researcher	Angelica Bisceglie	Laser Writing: Bio-Derived Carbon Electrodes for Sustainable Supercapacitors
18:10 – 20:00	Welcome reception		

Tuesday, 7 July 2026

Time	Format	Speaker	Title
Session 4: Mechanisms / Methods			
08:30 – 09:00	Keynote	Masashi Ishikawa	Toward High-Capacity Energy Storage via Novel Capacitive Mechanisms
09:00 – 09:20	Invited	Simon Fleischmann	Can Electrolyte Confinement Drive a Continuous Transition from Faradaic to Capacitive Storage?
09:20 – 09:40	Oral	Hubert Perrot	Deep Investigation of the Electrode/Electrolyte Interface Through Advanced Microbalance Sensors
09:40 – 10:00	Oral	Nicolas Clerc	Ionic Flux Dynamics in Na-ion Supercapacitors: Role of Electrolyte Solvent Revealed by EQCM and Electrochemical Dilatometry
10:00 – 10:20	Oral	Sreya Babu Nambiar	Probing the role of isoelectric point in charge storage mechanisms of functionalized carbon by electrochemical quartz crystal microbalance (EQCM)
10:20 – 10:30	Young Researcher	Bénédicte Réty	TPD-MS Analysis for the Understanding of Ageing Mechanisms of Carbon-Based Supercapacitors in Na_2SO_4
10:30 – 11:00	Coffee break		
Session 5: New concepts of devices based on capacitive charging			
11:00 – 11:30	Keynote	Stefan Kaskel	EDLC-Based Iontronic Devices and Logic Gates
11:30 – 11:50	Invited	Christophe Lethien	Porous Pseudocapacitive Films with High Capacitance Value and Ultra-High-Rate Capability for On-Chip Micro-Supercapacitors
11:50 – 12:10	Oral	Ana Rita Sousa	ThermoTwin: Fully Printed Self-Chargeable Hybrid Carbon–Ferrite Textile Supercapacitors
12:10 – 12:20	Young Researcher	Davide Arcoraci	A Full Physical Strategy for Electrical Contacts on Laser-Induced Graphene (LIG) Electrodes
Session 6: Environmental concerns			
12:20 – 12:40	Invited	Andrea Lamberti	Merging Energy Harvesting and Storage from Electrochemically Induced Gradients in

			Supercapacitors: From Salinity to CO2 and Low-Grade Waste Heat
12:40 – 13:40	Lunch		
13:40 – 14:00	Oral	Veronika Sedajova	Multi-Kilogram Scale-Up of Nitrogen-Doped Graphene for Supercapacitors: Environmental Impacts and Circular Recovery Strategies
14:00 – 14:20	Oral	Gianmarco Gottardo	Environmental Benefits of Battery-Supercapacitor Hybrid Storage Systems in Maritime Applications: An LCA Study
Session 7: Sodium-ion capacitors			
14:20 – 14:50	Keynote	Jon Ajuria	The Road to Real Devices: The Journey of Sodium-Ion Capacitors through the MUSIC Project
14:50 – 15:10	Oral	Naohisa Okita	Nano-Pitting Directed Growth of $Na_{3-x}V_2(PO_4)_{3-x}(SO_4)_x$ Nanodots for Ultrafast Sodium-Ion Capacitors
15:10 – 15:20	Young Researcher	Akshaya S Sidharthan	The impact of additives on the stability of high-voltage sodium-ion capacitors containing NaTFSI-based electrolytes
15:20 – 16:00	Coffee break		
16:00 – 18:00	ENERCAP flash talks + poster session		

Wednesday, 8 July 2026

Time	Format	Speaker	Title
Session 8: Electrolytes for electrochemical capacitors			
08:30 – 08:50	Invited	Andrea Balducci	New methodologies for studying electrolyte degradation in electrochemical capacitors
08:50 – 09:10	Invited	Francesco Lufrano	Design and Development of a Fluorine-Free Polymer Electrolyte Membrane for Improved Solid-State Supercapacitors
09:10 – 09:30	Oral	Francesco Seller	Fluorine-Free Electrolyte for Supercapacitors
09:30 – 09:50	Oral	Khanin Nueangnoraj	Influence of Salt Type and Carrageenan Structure on the Electrochemical Performance and Stability of Bio-Based Gel Electrolytes
09:50 – 10:10	Oral	Niyaz Ahmad	Biodegradable Pectin-Based Redox Gel Polymer Electrolyte for High-Performance Supercapacitors with Enhanced Thermal Stability
10:10 – 10:20	Young Researcher	Joana S. Teixeira	From Heat to Power: Redox-Active Hybrid Electrolytes for Thermally Chargeable Textile Supercapacitors
10:20 – 10:50	Coffee break		
Session 9: EDL Charge Storage and Applications Derived from Capacitive Effects / The Superbattery			
10:50 – 11:20	Keynote	Mario Rapisarda	Industrial Supercapacitors and the Reality of Energy Storage Innovation
11:20 – 11:40	Oral	Clara Rodrigues Pereira	From Lab to Textile Integration: Upscaling Thermally Chargeable Supercapacitors toward Wearable Applications
11:40 – 12:00	Young Researcher	Zehui Guo	Manipulation of the carbon/IL interface in double-layer capacitors via N-doping of carbons and electrolyte additives
12:00 – 12:10	Young Researcher	Zacharie Waysenson	Advances in Supercapacitor Modeling with Flexible, Disordered Electrodes
12:10 – 12:20	Young Researcher	El Hassane Lahrar	Toward Efficient and Accurate Simulations of Porous Carbon-Based Energy Storage Systems

12:20 – 12:30	Young Researcher	Max Valentin Rauscher	Charge Storage across Pore Hierarchies from Operando Small-Angle X-Ray Scattering
12:30 – 13:00	Invited	Andrew F. Burke	The Superbattery: Testing, Modeling, and Prospects for Development
13:00 – 14:00	Lunch		
Session 10: Pseudocapacitive Materials			
14:00 – 14:30	Keynote	Ho Seok Park	Pseudocapacitive Divalent Ion Storage of Anodically Hydrated Vanadium Oxides
14:30 – 14:50	Invited	Bruce Dunn	Development of Pseudocapacitive Behavior in Sodium-Ion Electrode Materials
14:50 – 15:10	Oral	Ouassim Ghodbane	Design of (1D/2D) TiO_2 Nanotubes/$Mo_2TiC_2T_x$ MXene Electrodes for Asymmetric Supercapacitors
15:10 – 15:20	Young Researcher	Ahmed Bahrawy	A Gated Highly Variable Pseudocapacitor Based on Redox-Window Control (G-CAPode)
15:20 – 15:50	Coffee break		
Session 11: Hybrid aqueous capacitors			
15:50 – 16:10	Invited	Wataru Sugimoto	Progress on 4 V Aqueous Hybrid Supercapacitor Using Water Stable Solid Electrolyte
16:10 – 16:30	Invited	Chi-Chang Hu	Pre-desolvation of Zinc Ions to Accelerate the Charge Transfer for Hybrid Zinc-Ion Capacitors
16:30 – 16:50	Oral	Alar Janes	Electrolyte Effects on the Performance of Zn-Ion Hybrid Capacitors: Integrating Theory and Experiment
16:50 – 17:00	Young Researcher	Óscar Jareño-Amorós	Cost-Effective Biomass-Derived Carbon for Enhanced Electrochemical Performance in Zinc-Ion Hybrid Capacitors
18:00 – 22:00	**Gala dinner**		

Thursday, 9 July 2026

Time	Format	Speaker	Title
Session 12: Electrodes / Devices			
09:00 – 09:20	Oral	Achref Chebil	Printed Electrodes on Carbon Cloth for Flexible Solid-State Supercapacitors and Current Developments
09:20 – 09:40	Oral	Sangha Mitra	Advanced micro-flexible supercapacitors: Integrating laser-assisted graphene and ionic liquid gel electrolytes
09:40 – 10:00	Oral	Malina Seyffertitz	How Do Aqueous Supercapacitors Capture CO_2? Establishing a Mechanistic Understanding
10:00 – 10:20	Oral	Mara Serrapede	Nanostructured Electrodes for Consistent Electrochemistry in Liquid-Phase TEM
10:20 – 10:40	Oral	Elisabetta Petri	Deep Eutectic Solvent Electrolytes: From Metal Recovery to Hybrid Energy Storage Systems
10:40 – 11:10	Coffee break		
Session 13: Fast charging electrodes			
11:10 – 11:30	Invited	Thierry Brousse	Pros and Cons of Defects Introduced by Swift Heavy Ion Irradiation on the Electrochemical Performance of Electrodes for Fast-Charging Devices
11:30 – 11:50	Oral	Keisuke Matsumura	Spray-Drying as a Platform for Inaccessible High-Power Energy Storage Materials and Nanoarchitectures
11:50 – 12:10	Oral	Pawel Jakobczyk	Single-Step Laser Fabrication of Black Phosphorus–Graphene Heterostructures for High-Performance and Fast-Charging Electrodes
12:10 – 12:30	**Closing remarks**		