



International Workshop on Supercapacitors and Energy Storage

31 May - 1 June 2018
Grand Hotel Salerno, Salerno, Italy



WORKSHOP CHAIRMEN
Paolo Ciambelli, *University of Salerno*
Alessandro Lampasi, *ENEA*

SCIENTIFIC COMMITTEE
Giancarlo Abbate, *University of Naples*
Paolo Mattavelli, *University of Padua*
Maria Sarno, *University of Salerno*
Francesca Soavi, *University of Bologna*
Giuseppe Taddia, *OCEM Power Electronics*



<http://www.worcap.eu>

WORKSHOP PROGRAM

Thursday, 31 May 2018	Visit to Campus and laboratories of University of Salerno (optional)	<i>University staff</i>
	Supercapacitors: key systems for energy sustainability	Francesca Soavi <i>University of Bologna, Italy</i>
	Review on supercapacitors: matching materials and electrolytes for high-rate energy delivery	Roman Mysyk <i>CIC Energigune, Spain</i>
	New graphene based electrode for supercapacitor applications	Maria Sarno <i>University of Salerno & NARRANDO, Italy</i>
	Towards industrialization of a new supercap generation	Giancarlo Abbate <i>University of Naples Federico II & CapTop, Italy</i>
	Lightweight flexible CNT supercapacitors for hybrid systems and morphing materials	Giulia Lanzara <i>Roma Tre University, Italy</i>
	Performance of commercially available supercapacitors	Mazen Yassine <i>Santa Clara University, USA</i>
	BATTERY: an Italian startup for the design of novel redox flow batteries	Francesca De Giorgio <i>University of Bologna & BATTERY, Italy</i>
	Tests of supercapacitors and batteries in the framework of the European Strategic Energy Technology Plan (SET-Plan) and Battery Alliance	Francesco Vellucci <i>ENEA Casaccia, Italy</i>
	Molecular dynamics and quantum mechanics study on/of ions conductivity of polyelectrolytes	Javier Luque Di Salvo <i>University of Palermo, Italy</i>
Friday, 1 June 2018	Survey of energy storage applications and potential market	Damiano Cavallaro <i>Politecnico di Milano, Italy</i>
	State of the art and future trends of supercapacitor technology	Jan Ernst <i>Maxwell Technologies & Nesscap Energy, USA</i>
	State of the art and comparative test results of the current state-of-the art supercapacitors	Egert Valmra <i>Skeleton Technologies, Estonia</i>
	Lithium-ion capacitor (LIC) modules to combine energy and power performances	Massimo Miotti <i>EAS, Italy</i>
	Compact power supplies with integrated energy storage and recovery capabilities	Sandro Tenconi <i>OCEM Power Electronics, Italy</i>
	Keep the evaluation of a battery state of charge updated	Luigi Pellegrino <i>Ricerca sul Sistema Energetico (RSE), Italy</i>
	Supercapacitor-assisted starting and peak load shaving in heavy-duty vehicles	Alon Kuperman <i>Ben-Gurion University of the Negev, Israel</i>
	Technical and economical evaluation of hybrid flash-charging stations for electric public transport	Fernando Ortenzi <i>ENEA Casaccia, Italy</i>
	Energy storage projects for smart grids	Laura Pimpinella <i>Enel Distribuzione, Italy</i>
	Supercapacitor applications for grid services and renewable energy	Norbert Hennchen <i>FREQCON, Germany</i>
	Supercapacitor application for reduction of power oscillations	Marcos Lafoz <i>CIEMAT, Spain</i>
	Mitigation of power modulation impact in the ITER fusion project using supercapacitors: a feasibility study	Loris Zanotto <i>RFX Consortium, Italy</i>

Check website for final program with timetable

Workshop participation is free (with registration)