Workshop

Supercapacitors Energy Storage

International Workshop on

Supercapacitors and Energy Storage

31 May - 1 June 2018

Grand Hotel Salerno, Salerno, Italy

WORKSHOP PROGRAM

"New roots..."

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

... for new plants"

Check website for final program with timetable

Workshop participation is free (with registration)

ENEA

Università di Salerno
Dipartimento di Ingegneria Industriale
din

AIDIC Associazione Italiana di Ingegneria Chimica SEZIONE SUD

OCEM POWER ELECTRONICS

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NANO_MATES

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