





Under the patronage of SCI-Electrochemistry Division and ISE-Division 3

# Bridging two centuries of electrochemical energy storage and conversion

#### In honor of Roberto Marassi

The aim of the Symposium is to honor the scientific career and the prominent role in the development of electrochemistry of Prof. Roberto Marassi of University of Camerino, who passed away in 2019.

His major Italian and international collaborators and alumni will gather to highlight the influence of his research activities and inspiring ideas toward the most recent achievements of the energy storage and conversion community.

The link to join the Symposium will be accessible at www.unicam.it/symposium-marassi
Live streaming will be available on the youtube channel Videounicam

4<sup>th</sup> - 5<sup>th</sup> February 2021

### 4th of February 2021 h 14:15-18:00

14:15	Welcome and Introduction	16:20	Oral presentations
	Claudio Pettinari University of Camerino Rector Andrea Balducci ISE-Division 3 Chair Vito Di Noto SCI-Electrochemistry Division President	16:20	Chairperson: Gianni Appetecchi ENEA Stefano Passerini Helmholtz Institute Ulm (Karlsruh Institute of Technology), Ulm, Germany Role of Batteries in the Energy Transition
14:45	Oral presentations Chairperson: Vito Di Noto University of Padova	16:50	Marina Mastragostino Accademia delle Scienze dell'Istituto di Bologna, Italy
14:45	<b>Mario Berrettoni &amp; Silvia Zamponi</b> Università di Camerino, Italy		Some Italian Projects on Electrochemical Energy Storag and/or Conversion Systems 2008-2013
15:05	The origin: a group was born  Fausto Croce Università G. D'Annunzio Chieti-Pescara	17:10	<b>Andrzej Czerwiński</b> University of Warsaw, Poland Forty years of scientific cooperation with Prof. Roberto Marassi
	Nano-fabrication Made Easy: Electrospun Electrolytes and Electrodes for Lithium Batteries	17:30	Flash presentations
15:25	<b>Marco Giorgetti</b> University of Bologna, Italy Prussian blue analogs: a little journey from electroanalytical applications to batteries		<b>Javad Rezvani</b> University of Camerino, Italy Surface and interface dynamics in Li ion battery electrodes by synchrotron radiation sources
15:45	<b>Mario Marinaro</b> ZSW, Ulm, Germany From graphite to alkaline-earth metal anodes		<b>Kamil Czarniecki</b> University of Warsaw, Poland Application of Copper and Molybdenum Oxide Based Catalysts for Electroreduction of Carbon Dioxide
16:05	Flash presentations Xinyue Li IAM (Karlsruhe Institute of Technology), Germany Electrochemical study of a Nickel Aluminum Layered Double Hydroxide as an electrode material for Li-ion Batteries		Hamideh Darjazi University of Camerino, Italy Moving towards NMC811 and enhancing high-voltage Ni-rich cathode materials by combined doping/coating for next-generation Li-ion batteries
	<b>Graziano Di Donato</b> Sapienza University of Rome, Italy		
	Study of carbonaceous materials and innovative electrolytes for lithium ion batteries		

**Organizing Committee** 

Francesco Nobili University of Camerino Maria Assunta Navarra Sapienza University of Rome Sonia Dsoke HIU & IAM, Karlsruhe Institute of Technology



00.30

Oral presentations





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## 4<sup>th</sup> - 5<sup>th</sup> February 2021

### 5th of February 2021 h 09:30-13:15

11.20

Oral presentations

	Oral presentations	11:20	Oral presentations
	Chairperson: Catia Arbizzani University of Bologna		Chairperson: Francesco Nobili University of Camerino
09:30	Sonia Dsoke HIU & IAM (Karlsruhe Institute	11:20	Rinaldo Raccichini, Springer Nature, Berlin, Germany
	of Technology), Germany		From Academia to Publishing: the role of Roberto
	Inspired by Roberto Marassi: [PW <sub>12</sub> O <sub>40</sub> ] <sup>3-</sup> as		Marassi in a career transition journey
	a versatile polyoxoanion for different energy	11:40	Marilena Mancini ZSW, Ulm, Germany
	conversion and storage devices		Graphite anodes for LiBs: from particle design to cell
09:50	Margret Wohlfhart-Mehrens, ZSW, Ulm, Germany		performance
	Research and development of cathode materials	12:00	Maria Assunta Navarra, Sapienza University
	for next generation batteries		of Rome, Italy
10:20	Pawel Kulesza University of Warsaw, Poland		Electrode and Electrolyte Materials for Fuel Cells and
	Electrocatalytic and Photoelectrochemical Approaches		Lithium Batteries
	to Energy Conversion and Charge Storage	12:20	Arianna Moretti Bertrandt Ingenierburo, Munich,
			Germany & Agnese Birrozzi Mercedes-Benz AG,
10:50	Flash presentations		Stuttgart, Germany
	Georg Bosch HIU/IAM (Karlsruhe Institute		From Academia to Industry: The Role of Roberto Marassi
	of Technology), Germany		
	Hybrid electrodes based on polyoxometalate-	12:30	Flash presentations
	activated carbon for electrochemical energy storage		Antunes Staffolani, University of Camerino, Italy
	Marzena Krech University of Warsaw, Poland		An Extensive Model for Solid Oxide Fuel Cells Based
			An Extensive Model for Solid Oxide Fuel Cells Based on Impedance Time-Based Deconvolution
	Marzena Krech University of Warsaw, Poland		
	Marzena Krech University of Warsaw, Poland Cobalt-Hexacyanoferrate-Modified Ruthenium-Based		on Impedance Time-Based Deconvolution
	Marzena Krech University of Warsaw, Poland Cobalt-Hexacyanoferrate-Modified Ruthenium-Based Core-Shell-Type Catalytic Systems for Oxidative Water		on Impedance Time-Based Deconvolution <b>Lucia Mazzapioda</b> Sapienza University of Rome, Italy  Perovskite Titanate as Electrode Additive for Direct
	Marzena Krech University of Warsaw, Poland Cobalt-Hexacyanoferrate-Modified Ruthenium-Based Core-Shell-Type Catalytic Systems for Oxidative Water Splitting in Acid Medium		on Impedance Time-Based Deconvolution <b>Lucia Mazzapioda</b> Sapienza University of Rome, Italy
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