



Università di Camerino
Scuola di Scienze e Tecnologie
Sezione Chimica



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](#)

4th - 5th February 2021

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

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

Organizing Committee

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

Info
francesco.nobili@unicam.it



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4th - 5th February 2021

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

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| 09:30 | Oral presentations
<i>Chairperson: Catia Arbizzani University of Bologna</i> | 11:10 | Oral presentations
<i>Chairperson: Francesco Nobili University of Camerino</i> |
| 09:30 | Sonia Dsoke HIU & IAM (Karlsruhe Institute of Technology), Germany
<i>Inspired by Roberto Marassi: $[PW_{12}O_{40}]^{3-}$ as a versatile polyoxoanion for different energy conversion and storage devices</i> | 11:10 | Pawel Kulesza University of Warsaw, Poland
<i>Electrocatalytic and Photoelectrochemical Approaches to Energy Conversion and Charge Storage</i> |
| 09:50 | Margret Wohlfhart-Mehrens , ZSW, Ulm, Germany
<i>Research and development of cathode materials for next generation batteries</i> | 11:40 | Marilena Mancini ZSW, Ulm, Germany
<i>Graphite anodes for LiBs: from particle design to cell performance</i> |
| 10:20 | Rinaldo Raccichini , Springer Nature, Berlin, Germany
<i>From Academia to Publishing: the role of Roberto Marassi in a career transition journey</i> | 12:00 | Maria Assunta Navarra , Sapienza University of Rome, Italy
<i>Electrode and Electrolyte Materials for Fuel Cells and Lithium Batteries</i> |
| 10:40 | Flash presentations
Georg Bosch HIU/IAM (Karlsruhe Institute of Technology), Germany
<i>Hybrid electrodes based on polyoxometalate-activated carbon for electrochemical energy storage</i> | 12:20 | Arianna Moretti Bertrandt Ingenierburo, Munich, Germany & Agnese Birrozzi Mercedes-Benz AG, Stuttgart, Germany
<i>From Academia to Industry: The Role of Roberto Marassi</i> |
| | Marzena Kreck University of Warsaw, Poland
<i>Cobalt-Hexacyanoferrate-Modified Ruthenium-Based Core-Shell-Type Catalytic Systems for Oxidative Water Splitting in Acid Medium</i> | 12:30 | Flash presentations
Antunes Staffolani , University of Camerino, Italy
<i>An Extensive Model for Solid Oxide Fuel Cells Based on Impedance Time-Based Deconvolution</i> |
| | Kristina Pfeifer IAM (Karlsruhe Institute of Technology), Germany
<i>Reactivity and Interplay of Critical Components in Sodium-Ion Batteries</i> | | Lucia Mazzapioda Sapienza University of Rome, Italy
<i>Perovskite Titanate as Electrode Additive for Direct Methanol Fuel Cells (DMFCs)</i> |
| | Kamil Zdunek University of Warsaw, Poland
<i>Chronocoulometric Approach to Elucidation of Mechanism of Oxygen Reduction Reaction</i> | 12:45 | Anna Chmielnicka University of Warsaw, Poland
<i>Enhancement of Copper Activity Toward Electroreduction of Carbon Dioxide in the Presence of WO₃ and ZnO Co-Catalysts</i> |
| | Paulina Krakówka University of Warsaw, Poland
<i>Rational Metal-Oxide-Based Designs for Electrocatalytic Reduction of Carbon Dioxide</i> | | Closing remarks |

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