



Novel Electrode Materials

18-19 February 2025

Aristotle University Research Dissemination Center
(KEDEA), Thessaloniki, Greece

workshop website: <https://sites.google.com/view/novelectrodematerials/>

workshop livestreaming: <https://audiovisual.auth.gr/video/97416>

Day 1

8:45 - 9:15 am	Registration – Reception
9:15 - 9:30 am	<i>Opening Remarks – The REFINE project and the Physical Chemistry Laboratory of the Aristotle University</i> SOTIRIS SOTIROPOULOS , PROFESSOR, ARISTOTLE UNIVERSITY
9:30 - 10:30 am	<i>Applications of Gas Diffusion Electrodes</i> CARLOS PONCE DE LEON ALBARRAN , PROFESSOR, UNIVERSITY OF SOUTHAMPTON
10:30 - 11:30 am	<i>Unconventional electrode material synthesis pathways for water electrolysis</i> MICHAEL N. TSAMPAS , SENIOR RESEARCHER, DIFFER, EINDHOVEN
11:30 am - 12:00	Coffee break Poster Session
12:00 - 1:00 pm	<i>Advanced materials for printable electrochemical energy devices</i> VASILIOS BINAS , ASSISTANT PROFESSOR, ARISTOTLE UNIVERSITY
1:00 - 2:00 pm	<i>Co-ionic electrochemical reactors, with electrodes of specialized catalytic activity for CO₂ conversion to light olefins</i> COSTAS ATHANASIOU , ASSISTANT PROFESSOR, DEMOCRITUS UNIVERSITY OF THRACE
2:00 - 3:00 pm	Lunch break Poster Session

3:00 - 4:00 pm	<i>Bio-inspired electrodes for water electrolyzers</i> PANAGIOTIS TROGADAS , ASSISTANT PROFESSOR, ARISTOTLE UNIVERSITY
4:00 - 5:00 pm	<i>Perovskite materials as alternative fuel electrodes for Solid Oxide Electrolysis Cells (SOECs)</i> DIMITRIOS TSIPLAKIDES , ASSOCIATE PROFESSOR, ARISTOTLE UNIVERSITY
8:00 pm	Invited Speakers' and Organizers' Dinner

Day 2

9:00 - 9:30 am	Morning coffee – Networking
9:30 - 10:30 am	<i>Electrowetting for advanced electrochemical technologies</i> ATHANASIOS A.PAPADERAKIS , ASSISTANT PROFESSOR, NATIONAL TECHNICAL UNIVERSITY OF ATHENS
10:30 - 11:30 am	<i>Computational and experimental methods for the synthesis of various solid-state materials for electrochemical energy conversion</i> SARAH GEO , PhD CANDIDATE, UNIVERSITY OF OSLO
11:30 am - 12:00	Coffee break Poster Session
12:00 - 1:00 pm	<i>Evaluation of activity, stability and selectivity of electrocatalysts under dynamic conditions</i> IOANNIS KATSOUNAROS , ASSOCIATE PROFESSOR, ARISTOTLE UNIVERSITY
1:00 - 2:00 pm	<i>Electrochemical Impedance Spectroscopy for Li-ion batteries characterization</i> ANDRONIKOS BALASKAS , ASSISTANT PROFESSOR, ARISTOTLE UNIVERSITY
2:00 - 3:00 pm	Lunch break Poster Session
3:00 - 4:00 pm	<i>Self-healing materials</i> IOANNIS KARTSONAKIS , ASSISTANT PROFESSOR, ARISTOTLE UNIVERSITY
4:00 - 5:00 pm	<i>Galvanic deposition and photodeposition of electrocatalysts on Ti and TiO₂ supports</i> SOTIRIS SOTIROPOULOS , PROFESSOR, ARISTOTLE UNIVERSITY
5:00 - 5:15 pm	Closing Remarks