

Fourth International School on Advanced Materials for Energy May 5-6, 2025

Venue: Green Technology Institute Conference Room (RIAD OF SCIENCES 7, C12)
Mohammed VI Polytechnic University, Benguerir

	Day 1 Program MAY 05, 2025
8:30-9:00	Registration
9:00-9:30	Opening of InSAM'4
	Chairs : Sofia Boukheir, Mohcin Mekhfioui
9:30-10:30	Prof. Amine Bennouna – Physics Department, Cadi Ayyad University, Marrakesh. <i>“Morocco: Was mid-2022 to end-2024 just 'another window of opportunity' or a lasting transition to more renewable electricity?”</i> .
10:30-10:45	Welcome reception
	Chairs : Mustapha Mabrouki, Rachid Idouhli
10:45-11:45	Prof. Ismael Saadoun – Applied Chemistry & Engineering Research (ACER CoE), Mohammed VI Polytechnic University, Benguerir. <i>“Addressing Lithium-Ion Battery Challenges: A Materials Science Perspective”</i> .
11:45-12:45	Prof. Ashok Vaseashta - International Clean Water Institute, Manassas, VA USA. Institute of Electronic Engineering and Nanotechnologies “D. Ghitu”, Technical University of Moldova & Academy of Sciences, Chisinau Moldova. <i>“Strategic Integration of Electrospinning and Additive Processing for Harvesting Energy in IoTs”</i> .
13:00-14:15	Lunch
	Chairs : Luis Cadillon Costa, Meriem Benali
14:15-15:15	Prof. Khalid Radouane – Green Tech Institute, Mohammed VI Polytechnic University, Benguerir. <i>“Photovoltaic Solar Modules: How they work and Ongoing Innovations”</i> .
15:15-16:15	Prof. Abdelkader Outzourhit – Physics Department, University of Cadi Ayyad, Marrakesh. <i>“Perovskite solar cells: recent advances and next-generation applications”</i> .
16:15-16:45	Break & Poster session I
	Chair : Ashok Vaseashta
16:45-17:45	Prof. Cyril Popov - Institute of Nanostructure Technologies and Analytics (INA) Center for Interdisciplinary Nanostructure Science and Technology (CINSaT), University of Kassel, Germany. <i>“Diamond films and nanoparticles for various energy applications”</i> .
17:45-18:30	Visit of the Green Technology Institute



Day 2 Program MAY 06, 2025

	Chairs : Hamid Oughaddou, Marya Raji
8:30-09:30	<u>Dr. Sílvia Soreto Teixeira</u> - I3N, Physics Department, University of Aveiro, Aveiro, Portugal. "The Phenomenon of Physical Ageing on Polymers: Case Study on Poly(L-lactic acid)/Lithium Ferrite Composites" .
9:30-10:30	<u>Prof. Mouad Dahbi</u> - MSN department, Mohammed VI Polytechnic University, Benguerir. "Advancing Rechargeable Sodium-Ion Batteries for Large-Scale Electricity Storage" .
10:30-11:00	Break & Poster session II
	Chair : Khadija El Maalam
11:00-12:00	<u>Prof. Marco Tina Giuseppe</u> - DIEEI, Department of Electrical electronic and computer engineering, University of Catania, Catania, Italy. "Materials Used in Floating Photovoltaic Systems" .
12:15-13:45	Lunch
14:00-15:00	Visit of MASciR's Laboratories
	Chairs : Sílvia Soreto Teixeira, Marouan Bouchouirbat
15:15-16:15	<u>Prof. Hamid Oughaddou</u> - Physics Department, CY Cergy Paris University, Cergy-Pontoise & Paris-Saclay University, CNRS, Institut des Sciences Moléculaires d'Orsay, Orsay, France. "Analytical tools for characterization of Nano Materials " .
16:15-17:15	<u>Prof. Luis Cadillon Costa</u> - I3N, Physics Department, University of Aveiro, Aveiro, Portugal. "Using Impedance Spectroscopy to characterize materials for energy storage" .
17:15-17:30	Break
	Chair : Khalil Aouadi
17:30-18:30	<u>Prof. Fouad Ghamouss</u> - MSN department, Mohammed VI Polytechnic University, Benguerir. "Electrochemical Energy Conversion and Storage: from Concepts to Applications" .
18:30-19:00	Poster Awards & Closing