



**ANM2025 Portugal (23-25 July 2025, University of Aveiro, Portugal)**

**In Person Presentations at** Pedagogical Complex, University of Aveiro  
Campus Santiago, 3810-193 Aveiro  
Portugal

**23 July 2025**

Time (GMT+1) Portugal	Session	Session	Session
17.00-19.00	Registration and Print Poster presentations (Please refer the Print Poster sessions file on the website for presentations) (The presenters can keep the poster until next day 14.00). The posters not removed until then will be removed by the organiser and kept near the registration desk.		
24 July 2025			
8.00-9.00	Registration (Poster presentations continue)		
	ANM (Theatre 1) Session Chairs: Prof. Luiz Pereira, Dr. Carmen M. Rangel		
9.00-9.45	Plenary talk by Prof. Ibrahim Dincer, Ontario Tech University, Canada (Editor in Chief, International Journal of hydrogen energy) on The Role of Universities and Technological Priorities in Energy Solutions		
9.45-10.30	Plenary talk by Prof. Ajayan Vinu, The University of Newcastle, Australia (Global Innovation Chair Professor for Advanced Nanomaterials) on Advanced Nanostructured Materials for Energy and Environmental Applications		
10.30-11.00	Coffee break		
	Theatre 1	Theatre 2	Theatre 3
	Program Chairs: Dr. Olena Okhay, Dr. Elby Titus (University of Aveiro, Portugal)	Programme Chairs: Dr. D Pukazhselvan (University of Aveiro, Portugal) , Dr. Devaraj Ramasamy (INL Portugal)	Programme Chairs: Dr. Estelina Da Silva (University of Porto, Portugal), Dr. Joao Grilo (University of Aveiro, Portugal)
	ANM (Nanomaterials) Session Chairs: Prof.Luís Cadillon Costa, Prof.Michael Ohadi	HE (Hydrogen Energy) Session Chairs: Prof.Ivan Cabria, Dr. Carmen Rangel (Laboratório Nacional de Energia e Geologia (LNEG), Portugal)	AEM (Energy Materials) Session Chairs: Prof.Pranab Goswami, Dr.Nan Li
11.00-11.20	Prof.Luís Cadillon Costa (Keynote) University of Aveiro, Portugal Microwave radiation in metrology and materials synthesis	Prof.Ivan Cabria (Keynote) University of Valladolid, Spain Hydrogen Storage Capacities of novel Zn(II) and Cd(II) MRT MOFs via Grand Canonical Monte Carlo Simulations	Prof.Pranab Goswami (keynote) Indian Institute of Technology Guwahati, India An Approach to Eliminate Voltage Reversal in Series-Stacked Water Lettuce-Assisted Sediment Microbial Fuel Cells
11.20-11.40	Prof.Michael Ohadi (Keynote) University of Maryland: College Park, United States Low-Cost Glauber's salt-based Composites for low-	Prof.Francesca Demichelis (Keynote) Politecnico di Torino, Italia Two-Stage Anaerobic Digestion as a Biorefinery for Hâ., and CHâ.,,	Dr.Nan Li (Keynote) Northwestern polytechnical university, China

	Temperature Thermal Energy Storage Applications- Performance and Cyclic Stability Analysis	Productions with Material Recovery	Rapid solidification of Half-Heusler alloys by glass fluxing technique
11.40-11.55	<b>Dr.Miklas Csontos</b> Institute of Electromagnetic Fields, ETH Zurich, Switzerland Picosecond Femtojoule Resistive Switching in Nanoscale VO2 Memristors	<b>Prof.Hyung-Ho Park</b> Yonsei University, South Korea F-doped Tin Oxide Aerogel Catalyst for High-Performance Hydrogen Generation	<b>Prof.Jaroslav Knappek</b> Czech Technical University in Prague, Czech Republic Alternative Fuel Production from Sewage Sludge and Waste Material
11.55-12.10	<b>Dr.Teresa Esteves</b> Instituto Superior Tecnico, Portugal Advanced wireless electrostimulation nanomaterials for cancer therapy.	<b>Ms.Maliheh Nazari</b> University of Aveiro, Portugal Facile fabrication of Pd-WO3 sensing particles for visual detection of hydrogen	<b>Prof.Abdulilah Dawoud</b> Qatar University, Qatar The Role of Cation and Anion Substitution in Enhancing NaVPO5 Cathodes for Calcium-Ion Batteries: Computational Insights
12.10-12.25	<b>Mr.Giancarlo Ivan Gonzalez Munoz</b> Universidad de Concepcion, Chile Amorphous mesoporous magnesium carbonate (AMMC) as a dehydrating agent synthesized from different magnesium precursors	<b>Dr.Ravi Kiran Mandapaka</b> Indian Institute of Petroleum and Energy, India Reduced rate expression for Water gas shift reaction over Ni using R dot approach	<b>Dr.Georges Mouchaham</b> IMAP UMR8004 - CNRS-ENS-ESPCI, France Ti12-MOFs as promising photocatalysts for H2 production
12.25-12.40	<b>Dr.Fernando Gonzalez-Zavala</b> Centro Conjunto de Investigacion en Quimica Sustentable UAEM-UNAM, Mexico TiO2Co precipitates for Photocatalytic degradation of organic molecules	<b>Dr.Macole Sabat</b> University of Balamand, Lebanon Feasibility Pilot Study on Optimizing Hydrogen Storage Tanks: Insights from Computational Fluid Dynamics and Finite Element Analysis	<b>Dr.Jimmy Romanos</b> Lebanese American University, Lebanon Long-Term Degradation of Adsorbed Natural Gas Storage in Basolite C300 Due to Heavy Alkane Accumulation
12.40-12.55	<b>Mr.Matjaz Malok</b> Jozef Stefan Institute, Slovenia Electrical properties of collapsed MoS2 nanotubes		
<b>13.00-14.00</b>	<b>Lunch</b>		
	<b>ANM (Nanomaterials)</b> <b>Session Chairs:</b> <b>Dr.Aurelian Crunteanu, Prof.Lukasz Skowronski</b>	<b>APM (Polymers)</b> <b>Session Chairs:</b> <b>Dr.Jiri Brus, Dr.Venkata S. R. Jampani</b>	<b>AGM (graphene)</b> <b>AMM (Magnetic Materials)</b> <b>Session Chairs:</b> <b>Prof.Wenli Deng, Dr.Marek Wisniewski</b>
14.00-14.15	<b>Dr.Aurelian Crunteanu</b>	<b>Dr.Jiri Brus (Keynote)-20 minutes</b> Institute of Macromolecular Chemistry CAS, Czech Republic	<b>Prof.Wenli Deng</b> State Key Laboratory of Tribology in Advanced

	<p><b>XLIM Research Institute,</b> <b>CNRS/ University of Limoges,</b> <b>France</b></p> <p>Large-area, thermal and electrical activation of metal-insulator transition in W-doped VO<sub>2</sub> films for THz applications</p>	<p>A Novel Insight into the Domain Architecture of Transition-Metal Cross-Linked Alginates: Paramagnetic Solid-State NMR Spectroscopy</p>	<p><b>Equipment, Tsinghua University,</b> <b>China</b></p> <p>Strengthening DLC films for robust superlubricity at ultrahigh contact stress (AGM)</p>
14.15-14.30	<p><b>Mr.Jorge Gajardo</b> <b>Universidad de Concepcion,</b> <b>Chile</b></p> <p>Ultrafast sonochemical synthesis of SBA-15 mesoporous silica at 25 Å°C</p>	<p><b>Dr.Venkata S. R. Jampani</b> <b>Jozef Stefan Institute, Slovenia</b></p> <p>Water-based templating of nanoscale polymer thin films for packaging</p>	<p><b>Dr.Arti Dangwal Pandey</b> <b>DESY Hamburg, Germany</b></p> <p>Surface Studies of Graphene and MoS<sub>2</sub> based van der Waals Heterostructures (AGM)</p>
14.30-14.45	<p><b>Mr.Oihan Allegret</b> <b>Universiti de Limoges, France</b></p> <p>Tungsten implantation of VO<sub>2</sub> nanobeams for neuromorphic applications</p>	<p><b>Prof.Hiroyuki Aoki</b> <b>Japan Atomic Energy Agency,</b> <b>Japan</b></p> <p>Polymer nano-particles for highly sensitive in vivo photo-acoustic imaging</p>	<p><b>Mr.Hari Singh</b> <b>UGC DAE Consortium for Scientific Research, Kalpakkam Center, India</b></p> <p>Structural Inversion Asymmetry Driven Non-linear Hall Effect and Negative Magneto resistance observed at Room Temperature in Vertical Graphene Nanowalls grown on Si Substrate (AGM)</p>
14.45-15.00	<p><b>Prof.Lukasz Skowronski</b> <b>Bydgoszcz University of Science and Technology, Poland</b></p> <p>The Au-coated AISI 304L stainless steel plates as effective NALDI substrates for the detection of low molecular weight compounds</p>	<p><b>Prof.Peter Krajnc</b> <b>University of Maribor, Slovenia</b></p> <p>Impact of RAFT Polymerization on the Structure and Properties of Nanoporous (Hyper)crosslinked Poly(vinylbenzyl chloride-co-divinylbenzene) PolyHIPEs</p>	<p><b>Dr.Marek Wisniewski</b> <b>Department of Materials Chemistry Adsorption and Catalysis, Faculty of Chemistry, Nicolaus Copernicus University in ToruÅ,, Poland, Poland</b></p> <p>Is adsorption equivalent to storage? Deciphering the mechanism of H<sub>2</sub> interaction with graphene oxide-based surfaces (AGM)</p>
15.00-15.15	<p><b>Dr. José Ferreira</b> <b>Factor Social, Portugal</b></p> <p>Fusing Technology Readiness Levels (TRLs) and Safety-by-Design (SbB) for Guiding Investment in Emerging Technologies</p>	<p><b>Dr.Monika Furko</b> <b>Institute of Technical Physics and Materials Science, HUN-REN Centre for Energy Research, Hungary</b></p> <p>Biomimetic amorphous calcium phosphate-biopolymer composites as coatings or bone replacements</p>	<p><b>Dr.Gennady Panin (Keynote)</b> <b>Institute of Microelectronics Technology and High-Purity Materials, RAS, Russia</b></p> <p>Graphene-Based Memristive and Photomemristive Nanosensors for Energy-Efficient Information Processing (AGM)</p>
15.15-15.30	<p><b>Dr.Sara Rabia</b> <b>Nantes university, France</b></p> <p>Flexoelectricity in conjugated polymers and biopolymers</p>	<p><b>Prof.Yuan-Hsiang Yu</b> <b>Department of Chemistry, Fu Jen Catholic University, Taiwan</b></p> <p>Eu-MOF/Epoxy Multifunctional Nanocomposites with Excellent Anti-Corrosion, Fluorescent</p>	<p><b>Dr.Julian Andres Lenis Rodas</b> <b>University of Antioquia, Colombia</b></p> <p>The effect of structural modification of an AB-type TiFe</p>

		Corrosion Monitoring, and Flame-Retardant Properties	alloy with V, Zr and Ni on the hydrogen storage capacity
15.30-15.45	<b>Dr.Debanjan Chakraborty</b> CNRS UMR 8004, ESPCI Paris, France Efficient post-combustion CO2 capture using a robust Al-MOF	<b>Dr.Petr Smolka (E-poster)</b> Tomas Bata University in Zlon, Czech Republic Ultra-thin Coating of BOPET Foils for Surface Functionalizing	
15.45-15.48	<b>Mr.Diogo Baptista (E-Poster)</b> Institute of Physics for Advanced Materials, Nanotechnology and Photonics, Portugal Structural Phase Transitions of Ca-based Perovskites under extreme conditions	<b>Dr.Antonin Minarik (E-Poster)</b> Faculty of Technology, Tomas Bata University in Zlon, Czech Republic Proteins and synthetic polymers blends for 3D printing of scaffolds	
<b>16.00-16.30</b>	<b>Coffee break</b>		
	<b>ANM (Nanomaterials)</b> <b>Session Chairs:</b> Prof.Alexa Courty, Prof.Michael Tiemann	<b>APM (Polymer Materials)</b> <b>Session Chairs:</b> Prof.Yuan-Hsiang Yu (Department of Chemistry, Fu Jen Catholic University, Taiwan), Dr.Monika Furko, Institute of Technical Physics and Materials Science, HUN-REN Centre for Energy Research, Hungary	<b>AMM (Magnetic Materials)</b> <b>Session Chairs:</b> Dr.Claudia Lopes, Prof.Andrzej Wawro
16.30-16.50	<b>Prof.Alexa Courty (Keynote)</b> Sorbonne Universite, France Fine-Tuning Copper-Based Nanocatalysts for Optimized CO2 Conversion	<b>Prof.Jean-Fabien Capsal (Keynote)</b> LGEF-INSA Lyon, France Enhanced Performance of Piezoelectric Composites through Nano/Meso Structuring	<b>Dr.Claudia Lopes (Keynote)</b> CICECO - University of Aveiro, Portugal Magnetic Nanocomposites for Water Treatment Adsorption Technologies - the Case of Toxic Metal Removal and the Critical Metals Recovery (AMM)
16.50-17.05	<b>Mr.Abbas Zirakjou</b> Ecole de technologie superieure - ETS Montreal, Canada Screen-printed CuO-based Thin Films for Photocatalysis	<b>Mr.Eric Fuster-Navarro</b> Instituto de Tecnologia Quimica (ITQ UPV-CSIC), Spain Antibacterial Coatings with Photoactive Octahedral Molybdenum Clusters in a Organic Resin	<b>Prof.Andrzej Wawro</b> Institute of Physics Polish Academy of Sciences, Poland Tunable magnetic anisotropy and Dzyaloshinskii-Moriya interaction in Pt/Re/Co/Pt and Pt/Co/Re/Pt heterostructures (AMM)
17.05-17.20	<b>Prof.Michael Tiemann</b> Paderborn University, Germany Water Sorption and Water Structure in CPO-27 Metal-Organic Frameworks	<b>Ms.Gabriela Malyszko</b> Gdansk University of Technology, Poland Improved methodology for investigating the electrical	<b>Mr.Muhammad Aasim, The</b> Institute of Physics for Advanced Materials, Nanotechnology and Photonics (IFIMUP)

		properties of conductive hydrogels in energy applications	Portugal Study of Hydrogen Impurities on NdFeO <sub>3</sub> (AMM)
17.20-17.23		Prof.Franklin, Gregory (Keynote) Institute of Plant Genetics, Polish Academy of Sciences, Poland Fabrication of ZnO and CuO bio-nanocomposites by circular valorization of the Hypericum perforatum biomass	Dr.Ilona Smolkova (E-Poster) Centre of Polymer Systems, Tomas Bata University in Zlin, Czech Republic Iron oxide nanoparticles dispersions: feasibility for magnetic hyperthermia
19.00-20.00-	Aveiro Boat trip and cocktail (Please follow the instructions from the Conference organiser)		
	Banquet at Hotel Melia Ria		

25 July			
8.30-9.00	Registration		
	<b>Program Chairs:</b> Dr. Olena Okhay, Dr. Elby Titus (University of Aveiro, Portugal)	<b>Programme Chairs:</b> Dr. D Pukazhselvan (University of Aveiro, Portugal), Dr. Devaraj Ramasamy (INL Portugal)	<b>Programme Chairs:</b> Dr. Estelina Da Silva (University of Porto, Portugal), Dr. Joao Grilo (University of Aveiro, Portugal)
	<b>ANM (Nanomaterials) Session Chairs:</b> Prof.Ilenia Rossetti, Dr. Joao Ventura (IFMUP, University of Porto, Portugal)	<b>HE (Hydrogen Energy) Session chairs:</b> Prof.Sang Yong Nam, Prof.Maria Gimenez Lopez	<b>SEM (Solar Energy Materials) Session Chairs:</b> Prof.Mohamed Nawfal Ghazzal, Dr.Philippe Baranek
9.00-9.20	Prof.Luiz Pereira (Plenary) University of Aveiro, Portugal Trap effects on electrical transport in organic semiconductors: the case of OLEDs".	Prof.Sang Yong Nam (Keynote) Department of Materials Engineering and Convergence Technology, South Korea Functional polymeric membranes to produce green hydrogen using water electrolysis	Prof.Mohamed Nawfal Ghazzal (Keynote) Universite Paris-saclay, France Graphdiyne a new 2D material for photocatalytic H <sub>2</sub> generation
9.20-9.40	Prof.Ilenia Rossetti (Keynote) Milan University, Italy Adsorption Technologies for Sustainable Reduction of CH <sub>4</sub> and CO <sub>2</sub> from Agricultural Livestock	Prof.Maria Gimenez Lopez (Keynote) Oportunius Research Professor, Xunta de Galicia (GAIN), University of Santiago de Compostela, Spain Nanostructured Materials for Sustainable Hydrogen Generation	Dr.Philippe Baranek (Keynote) EDF R&D, France Effect of the chemical composition and dimensionality of halide perovskites for photovoltaic applications on their basic properties: Towards a stable perovskite
9.40-9.55	Dr.Rui Costa	Mr.Timon Gunther	Dr.Jilian Freitas

	IFIMUP, Department of Physics and Astronomy, Faculty of Sciences of Porto University, Portugal Stochastic Ag NWs-based Physical Reservoirs for Neuromorphic Applications	University of Augsburg, Germany Optimization of highly active Raney-Nickel cathodes for alkaline water electrolysis (AWE) during the hydrogen evolution (HER) at high current-densities	Centro de Tecnologia da Informa��o Renato Archer, Brazil Low-cost materials and processes for the upscaling of perovskite solar cells
10.00-10.30	<b>Coffee break</b>		
	<b>ANM (Nanomaterials)</b> <b>Session Chairs:</b> Prof.Rachid Idouhli, Prof.Sridhar Dalai	<b>HE (Hydrogen Energy)</b> <b>Session Chairs:</b> Dr.Yukesh Kannah Ravi, Prof.Joshua Dayan	<b>SEM (Solar Energy Materials)</b> <b>Session Chairs:</b> Dr.Hana Krysova, Prof.Gianguido Ramis
10.30-10.45	Prof.Rachid Idouhli Cady ayyad university, Morocco Doped STR@mSiO2-GO Composite Coatings for Enhanced Anticorrosion Protection of Copper	Dr.Yukesh Kannah Ravi Centre for Organic and Nanohybrid Electronics, Silesian University of Technology, Poland Effect of photocatalytic mediated biological disintegration of microalgae to enhance fermentative hydrogen yield: Energy and cost assessment	Dr.Hana Krysova J. Heyrovsky Institute of Physical Chemistry of the Czech Academy of Sciences, Dolej�kova 2155/3, 182 23, Prague 8, Czech Republic Protection of WO3 electrodes against dissolution and photocorrosion through TiO2 ALD coating
10.45-11.00	Dr.Heiko Reith IFW Dresden, Germany Compact High-Performance Micro-Thermoelectric Devices	Prof.Joshua Dayan Technion - Israel Institute of Technology, Mechanical Eng. Faculty, Israel Process analysis and control design for a two-chamber biomass gasification reactor producing green hydrogen	Dr.Vera La Ferrara ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Italy Perovskite-Based Solar Cells for Hydrogen Production: Photovoltaic-Assisted Water Splitting and Photoelectrochemical Monolithic Devices
11.00-11.15	Dr.Adrian Petraru Nanoelectronics, Institute of Electrical Engineering and Information Engineering, Kiel University, Germany, Germany Structural and electrical characterization of rhombohedral epitaxial doped HfO2 ferroelectric films deposited on various substrates	Dr.Sweta Munshi University of Nottingham, United Kingdom Tuning Reactive Hydride Composites for Enhanced Hydrogen Storage Performance	Dr.Joanna Banas-Gac AGH University of Krakow, Poland Black titania thin film photoelectrodes for sustainable energy
11.15-11.30	Mr.Pedro Ferreira	Prof.Pawel Pasierb	Dr.Hana Tarabkova

	University of Porto, Portugal Soft-based resistive-switching devices for artificial synapses	AGH University of Krakow, Poland The influence of microstructure, crystal structure and phase composition of selected ABO <sub>3</sub> -type materials developed for electrochemical energy conversion	Institute of Physical Chemistry of the Czech Academy of Sciences, Czech Republic Characterization of Thin Film TiO <sub>2</sub> Photoelectrodes Prepared by Various ALD Procedures
11.30-11.45	Prof.Patrick da Costa Sorbonne Universite, France Gd promoted inverse ZrO <sub>2</sub> /Ni catalysts for CO <sub>2</sub> methanation	Dr.Pukazh Selvan D University of Aveiro, Portugal Effect of TiB <sub>2</sub> on the reversible hydrogen storage characteristics of MgH <sub>2</sub> and LiH/MgB <sub>2</sub> nanocomposite	Dr.Piyali Chatterjee Jagiellonian University, Poland FeWO <sub>4</sub> /WO <sub>3</sub> Photoelectrodes for Solar Water Oxidation
11.45-12.05	Prof.Sridhar Dalai Ahmedabad University, India Binder free Flexible Anode Material for Lithium Ion Batteries: Waste Glass derived Nano Si/CNF Composite	Dr.Pukazh Selvan D University of Aveiro, Portugal Hydrogen and Electrochemical Energy Storage Characteristics of Mg/MgH <sub>2</sub> promoted by a multifunctional MgO-Crafted rGO Hybrid Nanostructure	Prof.Gianguido Ramis (Keynote)-20 minutes Genoa University, Italy High-Pressure CO <sub>2</sub> Photoreduction, FSP and Z-scheme: a Promising Synergy
12.05-12.20	Prof.Maxim Sokol Tel Aviv University, Israel Challenges and Opportunities in Integrating MXene into Ceramic Nanocomposites	Dr.Frantisek Hajek (E-Poster 3 minutes) Institute of Physics of the Czech Academy of Sciences, Czech Republic MOVPE grown InGaN/GaN core-shell microrods for photocatalytic water splitting	Mr.Shivam Singh Tomar Indian Institute of Technology Kanpur, India, India Coiled Flow Inverter-Assisted Photo-Biocatalytic Denitrification Using Integrated Biogenic S-Scheme Fe <sub>x</sub> O <sub>y</sub> /g-CN Photocatalyst and Biofilm
12.20-12.35	Dr.Luis Duarte Institute of Chemical Research of Catalonia (ICIQ), Spain De Novo Designed Proteins as Customizable Matrices for Light Conversion	Dr.Dariusz Zientara (E-poster 3 minutes) AGH University of Krakow, Poland Application of Hot Pressing for sintering of BaCe <sub>0.6-x</sub> Zr <sub>0.3-y</sub> Y <sub>0.1</sub> Gd <sub>x+y</sub> O <sub>3-Î</sub> ' ceramic protonic conductors	Dr.Fernando Gonzalez-Zavala FQ-UAEMex, Mexico Photocatalytic degradation of organic molecules using TiO <sub>2</sub> :Pd thin films
13.00-14.00	Lunch		

	<b>ANM (Nanomaterials)</b> <b>Session Chairs:</b> Prof.Al-Amin Dhirani, Prof.Peter Njoki	<b>ANM (Nanomaterials)</b> <b>Session Chairs:</b> Dr.Beatriz Gsanchez, Prof.Khadiri Mohy Eddine	<b>AEM (Energy materials) + OLED</b> <b>Session Chairs:</b> Prof.Patrick da Costa, Dr.Ebrahim Sadeghi
14.00-14.15	Prof.Al-Amin Dhirani Department of Chemistry, University of Toronto, Canada From nano building-blocks to a new class of 2-D nanosheets	Dr.Beatriz Gsanchez Universidad Rey Juan Carlos, Spain Production of CNCs and CNFs from textile waste using Deep Eutectic Solvents	Prof.Patrick da Costa Sorbonne Universite, France On the effect of the synthesis method of Ni-MgO catalysts prepared from Upsalite
14.15-14.30	Prof.Peter Njoki Hampton University, USA Synthesis, Characterization and Application of Azadirachta Indica Based Silver and Zinc Oxide Nanoparticles Against Drug- Resistant Bacteria	Mr.Jhon Sebastian Hernandez Nino Universitat Politècnica de València, Spain Photoluminescent Ta <sub>6</sub> Br <sub>12</sub> Nanoclusters: Light-Driven ROS Generation for Photodynamic Therapy	Prof.Rachid Idouhli Cady ayyad university, Morocco Electropolymerization and Characterization of Polyindole Films on FTO for Supercapacitors
14.30-14.45	Prof.Eva Mihokova Institute of Physics of the Czech Academy of Sciences, Czech Republic Highly Loaded Cesium Lead Halide Perovskite Nanocomposites for Advanced Radiation Detectors	Prof.Khadiri Mohy Eddine Cadi ayyad university, faculty of science Semlalia . Marrakech, Morocco Hydrothermal synthesis of CuS and CoS nanomaterials and design of CuS/CoS nanocomposites for wastewater treatment: A dual approach for cationic organic dye removal.	Dr.Ebrahim Sadeghi The Faculty of Engineering Department of Green Technology (IGT) University of Southern Denmark (SDU) Chemical Engineering, Denmark Advanced Iridium- and Ruthenium- Based Catalysts for Acidic Water Electrolysis: Bridging Solid-State Synthesis, Nanoscale Disorder, and Atomic-Level Insights
14.45-15.00	Ms.Katarzyna Placheta AGH University of Krakow, Polska Optical nonlinearity in Er,Yb- modified titanium oxide-based thin films	Prof.Eunsang Kwon Tohoku University, Japan Structure and Energy Storage Characteristics of a Metal-Ion Endohedral [C60] Fullerene	Mr.Mikolaj Kozak Jagiellonian University, Poland Take nanofabrication easy: electrodeposition of energy-related materials
15.00-15.15	Ms.Wiktoria Weichbrodt Wroclaw University of Science and Technology, Poland Influence of thickness of WO <sub>3</sub> thin films deposited by GLAD on gasochromic response to hydrogen	Dr.Tahir Muhmood International Iberian Nanotechnology Laboratory (INL), Portugal Morphological Analysis of NiFeP-Coated Nickel Felt via SEM and FIB-SEM: Structural Transformations Under OER Conditions	Prof.Elise Sommer Watzko (E-poster) Federal University of Santa Catarina, Brazil Performance prediction of microbial fuel cells for power generation and acid mine drainage treatment
15.15-15.30	Ms.Paulina Kapuscik	Dr.Ali Al-Otaify	Mr.Rahul Gupta

	<p>Wroclaw University of Science and Technology, Poland</p> <p>Correlation Between Electron Beam Evaporation Conditions and Sensor Response of Cerium Oxide Coatings</p>	<p>Qassim University, Saudi Arabia</p> <p>Au/ZnO nanocomposites based on simple laser ablation method for water treatment</p>	<p>Indian Institute of Technology Kanpur, India</p> <p>Regenerable Fe-Ag-CNF Catalytic beads for Industrial Wastewater Treatment via Wet Air Oxidation</p>
15.30-15.45	<p>Mr.Ayush Kumar</p> <p>The university of Newcastle, Australia</p> <p>Design and Development of Metal Supported Clay/Hallosyite based Nano catalysts for Paracetamol Synthesis</p>	<p>Dr.FASQUEL Sophie</p> <p>IMS University of Bordeaux, France</p> <p>Polaritons in organic Fabry-Perot cavities studied with time-resolved spectroscopy</p>	<p>Mr.Mukul Manoj Morey</p> <p>The University of Newcastle, NSW (GICAN), Australia</p> <p>Experimental Realization of Fluoroborophene as an Electrocatalyst</p>
15.45-16.00	<p>Mr.Wilson Jacks Clinton</p> <p>University of Newcastle, Australia</p> <p>Copper-based advanced electrocatalysts for ammonia production</p>		<p>Dr.Mathias, Perrin</p> <p>CNRS - LOMA UMR5798 University of Bordeaux, France</p> <p>Cavity effect in Organic Light Emitting Transistors: achieving wide range color tuning</p>
Coffee			