



GENERAL SCIENTIFIC PROGRAM

Full Schedule of
Presentations & Sessions



18-20
JUNE



Faculty of Sciences,
Ibn Tofail University
Kénitra, Morocco

ECOSMARTTECH-2026

— • International Conference on • —

ECO SMART MATERIALS

for the Future Technologies

General Scientific Program

Day 1 Thursday, June 18, 2026

08:00 - 09:30	Welcome & Registration of participants “Faculty of Science, Ibn Tofail University, Kenitra, Morocco”
09:30 – 10:00	Opening speech of ECOSMARTECH Scientific Committee (Amphitheater, Conference center)
	Session I: (Chair: Prof. Ahmed ENNAOUT) (Amphitheater, conference center)
10:05 – 10:35	<u>PLENARY CONFERENCE - 1</u> Prof. Thomas HANNAPPEL - Ilmenau University of Technology (Germany) “Nanowire exploration for Photoelectrochemical Solar Water Splitting”
10:35 – 11:05	<u>PLENARY CONFERENCE - 2</u> Prof. Abdelilah BENYOUSSEF - Moroccan Academy of Science (Morocco) “Computation Design of 2D Materials for Hydrogen Energy Applications”
11:05 – 11:40	Official Photo of the Conference & Coffee Break
	Session I: (Chair: Prof. Ismael SAADOUNE) (Amphitheater, conference center)
11:40 – 12:05	<u>Keynote - 1</u> Prof. Mustapha JOUIAD - University of Picardie Jules Verne (France) “2D Materials for Green Hydrogen: Unlocking the Potential of MoS2 through Phase Engineering”
12:05 – 12:25	<u>Invited speaker - 1</u> Prof. Nadia YOUSFI - UIR Rabat (Morocco) “Durability of Hydrogen Systems, Status and Bottlenecks. Where is the research heading?”
12:25 – 12:45	<u>Invited speaker - 2</u> Prof. Magdalena DUDEK - AGH Krakow University (Poland) “A co-doping strategy for improving the physicochemical properties of $\text{Ba}_{1-x}\text{M}_x\text{Ce}_{0.7}\text{Zr}_{0.1}\text{Y}_{0.1}\text{Yb}_{0.1}\text{O}_{3-d}$ (BMCZY) samples as components of reversible ceramic proton conducting fuel cells where A = Sr, Mg; $0 < x < 0.1$ ”

12:50 -13:30	Poster Session
13:30 – 14:45	Lunch 
	Session II: (Chair : Prof. Abdelilah BENYOUSSEF) (Amphitheater, conference center)
14:50 – 15:10	<u>Invited speaker - 3</u> Prof. Youssef NAIMI - Hassan II University (Morocco) “Hydrogen storage and applications”
15:15 – 15:45	<u>PLENARY CONFERENCE - 3</u> Prof. Ahmed ENNAOUI - IRESEN, Benguerir (Morocco) “Two decades of PV innovation in my group at HZB: from thin film synthesis to device reliability”
15:45 – 16:10	<u>Keynote - 2</u> Prof. Ismael SAADOUNE - Mohammed VI Polytechnic University (Morocco) “Battery Materials for Lithium-Ion Batteries: From Fundamental Understanding to Future Challenges”
16:10 – 16:30	<u>Invited speaker - 4</u> Prof. Amal BOUICH - Ibn Tofail University (Morocco) “Bridging the Gap Between Efficiency and Stability in Perovskite Solar Cells”
16:30 – 16:45	Coffee Break
16:45– 18:30 ROOM 1 (A01 – A20)	SESSION #A Energy Conversion & Storage Smart and multifunctional materials for Energy & Green H2
16:45– 18:30 ROOM 2 (A21 – A40)	SESSION #A Energy Conversion & Storage Smart and multifunctional materials for Energy & Green H2
16:45– 18:30 ROOM 3 (B01 – B14)	SESSION #B Photonics & Electronics Advanced Materials for Photonics, Electronics, and Energy Conversion
16:45– 18:30 ROOM 4 (C01 – C12)	SESSION #C Environment & Water Advanced materials for sustainable environment and water technology
16:45– 18:30 ROOM 4 (D01 – D05)	SESSION #D Health Care Advanced materials for health care applications
16:45– 18:30 ROOM 4 (E01- E09)	SESSION #E Building Industries Advanced Materials for building industries
16:45– 18:30 ROOM 5 (F01 – F23)	SESSION #F IA, Modelling & Simulation AI, Modelling & Simulation for materials & Energy

Day 2 Friday, June 19, 2026

	Session III: (Chair: Prof. Jamal MOUSSA) (Amphitheater, conference center)
09:00 – 09:30	<u>PLENARY CONFERENCE - 4</u> Prof. Youichi TSUCHIYA - OPERA, OPHELIA, Kyushu University (Japan) “Decoding Excited-State Energy Alignment Through Exciton Dynamics”
09:35 – 10:00	<u>Keynote - 3</u> Prof. Bouchta SAHRAOUI - University of Angers (France) “Tunable Nonlinear Optical Properties of Engineered Organic, Organometallic, and NiO-Based Nanostructures for Advanced Photonic Applications”
10:05 – 10:30	<u>Keynote - 4</u> Prof. Abdelillah EL ABED - ENS Paris Saclay (France) “Droplet Microfluidics and Optofluidics Platforms for Advanced Photonics and Plasmonics Materials”
10:30 – 11:00	Coffee Break & Poster Session
	Session IV: (Chair: Prof. Abdelhafed TALEB) (Amphitheater, conference center)
11:00 – 11:30	<u>PLENARY CONFERENCE - 5</u> Prof. Aziz AMINE - Hassan II University (Morocco) “Advanced Materials for Sensors and Biosensors”
11:30 – 11:55	<u>Keynote - 5</u> Prof. Mohamed KHAYET - Faculty of Physics, Complutense University (Spain) “Water Desalination by Membrane Distillation: Experimental Investigations and Theoretical Modelling”
11:55 – 12:15	<u>Invited speaker - 5</u> Prof. Abdelkrim El Kadib - Euromed University of Fes UEMF, Fes (Morocco) “Mesostructured SBA-15 Silica: A Platform for Catalysis and Water Purification”
12:15 – 12:40	<u>Keynote - 6</u> Prof. Ahmed RHALLABI - IMN, Nantes University (France) “Advanced Plasma Etching Processes for the future Materials and Technologies”

12:40 -13:40	Poster Session
14:00 – 15:00	Lunch 
	Session V: (Chair: Prof. Bouchta SAHRAOUI) (Amphitheater, conference center)
15:05 – 15:30	<u>Keynote - 7</u> Prof. Saïd MABCHOUR - Lyon (France) “Biomimetic Silicones and Digital Manufacturing of Graduated Dermal Maturation Devices for Severely Burned Children”
15:30 – 15:55	<u>Keynote - 8</u> Prof. Ahmed NAITABDI - Sorbonne University (France) “Tailoring Metal-Oxide Nanomaterials at the Atomic Scale: From Controlled Synthesis to Nanocatalysis”
15:55 –16:20	<u>Keynote - 9</u> Prof. Vincent RUSSIER - Institut de Chimie et des Matériaux Paris-Est (France) “Monte Carlo simulation on magnetic nanoparticles assemblies: phase diagram and magnetic hyperthermia efficiency”
16:30 – 16:45	Coffee Break
16:45– 18:30 ROOM 1 (A41 – A60)	SESSION #A Energy Conversion & Storage Smart and multifunctional materials for Energy & Green H2
16:45– 18:30 ROOM 2 (A61 – A79)	SESSION #A Energy Conversion & Storage Smart and multifunctional materials for Energy & Green H2
16:45– 18:30 ROOM 3 (B15 – B26)	SESSION #B Photonics & Electronics Advanced Materials for Photonics, Electronics, and Energy Conversion
16:45– 18:30 ROOM 4 (C13 – C36)	SESSION #C Environment & Water Advanced materials for sustainable environment and water technology

Day 3 Saturday, June 20, 2026

	Session VI: (Chair: Nadia DKHIRECHE) (Amphitheater, conference center)
09:30 – 09:55	<u>Keynote - 10</u> Prof. Wilson AGERICO DINO - Osaka University (Japan) “Supersonic Molecular Beam Dissociation and Graphene Formation: C₂H₄/Cu(410) and C₂H₄/Cu(111)”
09:55 – 10:20	<u>Keynote - 11</u> Prof. Jamal MOUSSA - Sorbonne University (France) “Pyridylidenes, an underexplored class of ligands and their related organometallic complexes for novel opportunities in various applications”
10:20 – 10:35	<u>Invited speaker - 6</u> Prof. Said TABOUKHAT - University of Angers (France) “Insights into the Nonlinear Optical Properties of Functionalized Molecular and Metal-Complex Systems”
10:35 – 10:50	<u>Invited speaker - 7</u> Prof. Amal TARBI - Ibn Tofail University (Morocco) “Comparative Investigation of DoE and AI Techniques for Bandgap Energy Estimation in Distorted III–V Antimonides”
10:50 – 11:20	Coffee Break
	Session VII: (Chair: Prof. Khalid NOUNEH) (Amphitheater, conference center)
11:20 – 11:35	<u>Invited speaker - 8</u> Dr. Mohamed KAYYALI - CEO / CO-founder of Business Consulting 4DBC (Morocco) “AI impact on Industry”
	Closing ceremony, reward the best posts and comments, (Amphitheater, conference center)

