

Preliminary Program

ICASIN 2025

27 – 29 November 2025
Kenitra, Morocco

**International Conference on Applied Sciences and
Innovation (ICASIN'2025)**
1st Edition

Under the slogan
**"Shaping Tomorrow: Pioneering Health, Water, Energy, and Environmental
Sustainability"**

Organized in cooperation with



ICASIN
27-29 Nov 2025
Kenitra, Morocco

International Conference on Applied Sciences and Innovation

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*Moroccan Society for Research in Applied
Sciences and Innovation*

ICASIN2025 CONFERENCE

Organized in cooperation with

المعهد العالي لعلوم الصحة
INSTITUT SUPÉRIEUR
DES SCIENCES DE LA SANTÉ



FACULTÉ D'ÉCONOMIE
ET DE GESTION
KENITRA



جامعة ابن توفيل
Ibn Tofail University
Faculté des Sciences



Speakers Country Flag



**We would like to thank ICASIN
Sponsors:**

Bertin Technologies is a European industrial leader specializing in the design and fabrication of measurement, detection, and observation equipment for critical and scientific applications. The company operates across multiple sectors including Nuclear & Radioprotection, Defense & Security, Life Sciences & Health, Space & Big Science, and Medical Waste Management.

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SUETS stands out as a versatile company with diverse technical expertise, specializing in scientific technologies such as radioprotection and nuclear instrumentation, particularly in health and nuclear safety projects. It offers a comprehensive range of laboratory and research equipment, including scientific and medical tools. Its technical services span installation, technical inspection, industrial maintenance, and technical assistance. Additionally, SUETS engages in import-export operations and diverse construction or technical works, delivering end-to-end solutions from equipment trade to execution of technical projects.



Horizon BIS is a Moroccan company specialized in strategic consulting, training, promotion, and operational support for healthcare stakeholders. Its activities cover the launch and commercial development of innovative healthcare solutions, market access and regulatory coordination, as well as commercial, marketing, medical, and scientific training, complemented by strategic monitoring and business intelligence. The company's mission is to support laboratories and medical technology firms in their growth within the Moroccan market by providing high-value local expertise.



La commune de Kénitra





***All times are in GMT+1**

Thursday, 27 November, 2025		Conference Program (Day 1)		
08:00-09:00		Registration		
09:00-10:30		Opening (Amphitheater)		
10:30-11:00		Coffee break		
	Plenary Session 1	Speaker	Keynote Talk	Plenary
11:00-11:30		Dr. S. Tatsuhiko JAEA, Japan	Recent improvements of the PHITS code and its applications	
11:35-12:00		Discussions	Moderator: Pr. M. Goughri & Z. Sadoune	
12:05-14:05	Round Table	Mr. D. Silem Mme. Z. Benmahi Mr. I. Hasan (Bertin Technology)	Connecting Dose, Securing Exposure: Technological Innovation for More Responsive and Collaborative Radiation Protection	
Chair: Mr. Hasan Irfan &Pr. E. Chakir				
14:10-15:55		Lunch		
	Plenary Session 2	Speaker	Keynote Talk	Plenary
16:00-16:30		Pr. B. Ould Bouamama, Polytech Lille, France	Green Hydrogen: Energy for the Future?	
16:35-17:05		Discussions	Moderator: Pr. E M. Chakir & Pr. M. Fahoum	
17:10-17:30		Coffee break & Poster session1 & Close First Day 1		

Friday, 28 November, 2025		Conference Program (Day 2)		
09:05-09:35	Plenary Session 3	Speaker Pr. Y. Naimi, UH2C, Morocco	Keynote Talk Physicochemical storage of renewable energy and green hydrogen	Plenary
09:40-10:10		Pr. S. Baatout SCK-CEN, Belgium	United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) strategic vision: an in-depth overview of current and future programme of work	
10:15-10:45		Pr. A W. Ajlouni ANFAS, Arabia Saudia	The Role of Artificial Inteligence in Teaching Physics: Applications Challenges, and Future Directions	
10:45-11:15		Discussions	Moderator: Pr. B. Ould Bouamama & Pr. H. El Ouarghi	
11:20-11:45 Coffee break				
11:50-13:00	Parallel session 1	Chairs Dr. S. Tatsuhiko Dr. H. Amsil Pr. O. Jai Pr. M. Daouad	Topics Scientific Modeling and Computational Codes for Advanced Research	Rom: 1
		Pr. L. Ounalli, Pr. A. Rrhious Pr. S. Lmadani, Pr. M. Fahoum	Medical Physics and Advanced Technologies in Healthcare	Rom: 2
			Innovative Energy Systems, water for a Sustainable Future	Rom: 3
		Pr. M. Chabab Pr. Y. Naimi Pr. A. Raidou Pr. E. Al Ibrahmi	Advances in Physics and Materials Science: From Nanotechnology to High-Energy Applications	Rom: 4
13:00-14:45 Lunch				
14:50-15:20	Plenary Session 4	Speaker Dr. P. Romano Aragone,USA	Keynote Talk Advancements in Particle Transport and Nuclear Simulations: Leading OpenMC and Innovations in Reactor Physics, Fusion Energy, and High-Performance Computing	Plenary
15:20-15:50		Pr. L. Ounalli, CNSTN, Tunisia	Innovating for impact: The role of medical physics in sustainable and safe healthcare systems	
15:50-16:20		Pr. M. Chabab, UCA, Morocco	The African Strategy in Physics ASFAP: Particle physics as a prototype	
16:20-16:40		Discussions	Moderator: Pr. N. Dkhireche & Dr. H. Amsil	
16:40-17:00 Coffee break & Poster session 2 & Close First Day 2				

Saturday, 29 November, 2025		Conference Program (Day 3)	
09:00-10:15	Work-Shop		Rom 1, 2, 3 and 4
10:15-10:45	Coffee break		
11:00-13:00	Parallel session 2	Chairs	Topic
		Pr. O. Bounagui Pr. L. Ounalli, Pr. N. Dkhireche	Sustainable Development and Environmental Innovations for a Greener Planet
		Pr. B. Ould Bouamama, Pr. Y. Naimi, Pr. Y. El Madani El Alami	Artificial Intelligence and Smart Technologies: Transforming Industries and Society
		Pr. E M.Chakir, Pr. N. Rassai, Pr. F. Dib	Next-Generation Renewable Energy Solutions: Innovations and Challenges
	Parallel session 3	Pr. M. Jerry Pr. B. Houga Pr. B. Hindou	Economic and Legal Challenges in the Energy Sector
		Chairs	Topic
		Pr. K. Allabouche, Pr. H. Dekhissi Pr. Z. Aqachmar	Sustainable Development and Environmental Innovations for a Greener Planet
		Pr. M. El Hassnaoui Pr. S. Mouslih Pr. H. Labrim	Artificial Intelligence and Smart Technologies: Transforming Industries and Society
	Plenary Session 5	Pr. A. Bilya Pr. R. Touti Pr. R. Mesradi	Next-Generation Renewable Energy Solutions: Innovations and Challenges
		Pr. H. Baddih Pr. A. El Makrani Pr. M. Cherkaoui	Economic and Legal Challenges in the Energy Sector
13:00-14:00	Lunch		
14:05-14:35	Plenary Session 5	Speaker	Keynote Talk
14:40-15:10		Pr. S. Padmanaban University of South Eastern Norway	Artificial Intelligence Inspired Power Electronics Renewable Energy
15:15-15:45		Dr. H. Bounouira CNESTEN, Morocco	Neutron Activation Analysis at CENM: a scientific lever serving environmental protection and geochemical exploration
15:45-16:14		Pr. M. BAN-SALMAN, Daejeon, Korea	Using the ICP plasma and catalyst for enhanced Bi-methane reforming for syngas
		Discussions	Moderator: Pr. Fahoum
16:15-17:15	Work-Shop		Rom 1, 2, 3 and 4
17:15-17:45	Coffee break		
17:00-18:00	Certificate and close conference & Close First Day 3		



IMPORTANT