



المدرسة العليا للتكنولوجيا - الصويرة
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 ÉCOLE SUPÉRIEURE DE TECHNOLOGIE - ESSAOUIRA



Sciences, Methods and Technologies
SciMeTech
 International Conference for Sustainable Development

SciMeTech-SD-26 International Conference for Sustainable Development

"innovation in new technologies for better health, education, economy and social life"
 High School of Technology Essaouira, Cadi Ayyad University, Morocco
 Hybrid, In-person at EST Essaouira, and online

Post-Conference Report

Honorary Chairs



Bougadir Blaid
 President of Cadi Ayyad University, Marrakech.



EL Kalay Khalid
 Director of High School Technology, Essaouira.

General Chairs



Mohamed Eddabbah
 Cadi Ayyad University, Marrakech, Morocco



Mujeeb Ur Rehman
 De Montfort University, Leicester, UK



Pre-SciMeTech

The day 1 of the conference



In the morning : One of the inspiring opening events of SciMeTech-SD 2026 was the workshop "Tips and Best Practices for Using AI Tools in Scientific Paper Writing" presented by Dr. Elhachimi Abdelilah.



The session explored practical and ethical approaches for integrating AI into academic writing and research publication workflows, offering valuable insights to researchers and students from different disciplines.

A great start to a conference focused on innovation, research excellence, and emerging technologies.



In the afternoon : A key highlight of SciMeTech-SD 2026 was the keynote "Hybrid-Augmented Intelligence in Education" presented by Assoc. Prof. Tarkan GÜRBÜZ from Middle East Technical University.




The talk explored how the integration of human and artificial intelligence can reshape education, enhance learning experiences, and support smarter academic environments.

An inspiring session that opened new perspectives on the future of intelligent education systems.

12 Scientific sessions

The day 1 of the conference

 **In the afternoon** : The online and In-Person parallel sessions of SciMeTech-SD 2026 represented an important scientific component of the conference, bringing together researchers, academics, professionals, and students from different countries and disciplines through interactive presentations and discussions.

More than 100 papers were received by the conference.

Online Sessions

AI and Machine Learning (9 papers)

Cybersecurity, IoT and Smart City (9 papers)

Digital Health and e-Healthcare (7 papers)

Sustainable Energy and Environment (9 papers)

Materials & Thermal Engineering (5 papers)

Education & Digital Learning (9 papers)

Economics & Finance (8 papers)

Social Sciences & Employment (9 papers)

Gouvernance et Transformation des Organisations (7 papers)

Innovation, Territoires et Dynamiques Socio-Économiques (6 papers)

Link for sessions paper's list <https://www.scimotech.com/sd26/online.html>

Day 2 of the conference

In-Person Sessions

Health Systems, Public Policy, Sustainability & Environmental Health (8 papers)

AI, Digital Health, Medical Informatics & Biomedical Engineering (9 papers)

Link for sessions paper's list <https://www.scimotech.com/sd26/InPerson.html>

These sessions created a dynamic international platform for interdisciplinary collaboration, reflecting the multidisciplinary vision and global of SciMeTech international journal.

Opening Ceremony

Day 2 of the conference

← BACK Opening Ceremony : The opening ceremony of SciMeTech-SD 2026 began with a spiritual and patriotic atmosphere, starting with a recitation of verses from the Holy Quran followed by the Moroccan National Anthem.



← BACK The Director of EST ESSAOUIRA then welcomed participants, researchers, academics, and guests from different countries to celebrate innovation, research collaboration, and knowledge exchange in a multidisciplinary environment.

← BACK The opening ceremony of SciMeTech-SD 2026 continued with insightful interventions from the directors of research laboratories, who emphasized the critical importance of interdisciplinarity in modern scientific research and the growing need to strengthen the bridge between academia and industry through effective technology transfer. Their talks highlighted how collaborative research and innovation ecosystems can accelerate the transformation of scientific knowledge into real-world applications and industrial solutions.



← BACK Then the conference chairs expressed sincere gratitude to all contributors and speakers, while also underlining the strong connection between SciMeTech-SD 2026 and the Sciences Methods and Technologies International Journal, reinforcing the conference's mission to promote high-quality scientific publication and global research dissemination.



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SciMeTech-SD-26 International Conference

Moroccan Quantum Computing Cluster (MQCC) New Members welcome

Day 2 of the conference

← **BACK** One of the memorable moments of SciMeTech-SD 2026 was the official welcome ceremony for the new members of the Moroccan Quantum Computing Cluster (MQCC). This special event highlighted the growing interest in quantum technologies within Morocco and reaffirmed MQCC's mission to foster collaboration among researchers, professionals, and innovators interested in quantum computing and related fields.



← **BACK** Networking was another key highlight of SciMeTech-SD 2026, providing participants with valuable opportunities to connect, exchange ideas, and establish new collaborations. Such interactions are at the heart of SciMeTech's mission to build a vibrant international network dedicated to advancing research, innovation, and technology transfer.



Connecting people, sharing knowledge, and creating opportunities for future collaborations.



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Round Table 1: Connected Cities, Contested Spaces: Cybersecurity, AI, and Geopolitical Challenges in Smart Urban Ecosystems

Day 2 of the conference

← BACK Prof. Mourade AZROUR was the Moderator of the talk,
Academic point of view

← BACK Prof. Raja Ellassali, Director of the Smart City Thematic Center at Cadi Ayyad university. The presentation introduced the center's vision of fostering interdisciplinary research and innovation to address urban challenges through smart, sustainable, and resilient city solutions. By connecting academia, industry, and public stakeholders, the center aims to promote technology transfer, support evidence-based decision-making, and contribute to the sustainable development of cities and territories.

Industrial point of view

← BACK Eng. Anass JARANE the role of digital modeling in shaping the future of smart and sustainable cities. His presentation was structured around three complementary dimensions: Building Information Modeling (BIM) for infrastructure management, City Information Modeling (CIM) for the digital representation and optimization of urban systems, and Smart Infrastructure for enhancing city intelligence through advanced technologies.

The talk demonstrated how digital models can support better planning, traffic management, urban development, and decision-making processes. By integrating BIM, CIM, and smart technologies, cities can improve operational efficiency, sustainability, and quality of life, paving the way for more resilient and intelligent urban environments.

← BACK Dr. Eng. Madiha Bencekri delivered an engaging talk on Smart Cities, emphasizing that successful smart city initiatives go far beyond technology alone. While technologies such as IoT, cloud computing, and others play an important role, she highlighted that social, environmental, governance, and accessibility considerations are equally essential for creating sustainable and inclusive urban environments.



Drawing on real-world examples from South Korea and Qatar, Dr. Bencekri illustrated how different countries are addressing mobility, accessibility and public services, according to their unique cultural and societal contexts.

Scan to watch the selected excerpts from the round-table discussion.



SciMeTech-SD-26 International Conference

Round Table 2: From Smart Systems to Smart Societies: Engineering Sustainable Solutions in the Age of AI and Quantum Computing

Day 2 of the conference



← Prof. Mostafa Ezziyani was the Moderator of the talk,



Prof. Mujeeb Ur Rehman's talk addresses the impact of quantum computing on modern cybersecurity, particularly the vulnerability of current asymmetric cryptographic systems. He explains that quantum computers could break widely used encryption algorithms, making sensitive data at risk in the future. To mitigate this threat, he emphasizes the urgent need to adopt post-quantum cryptography (PQC), which is designed to resist both classical and quantum attacks.

He highlights that this transition is mainly software-based, requiring strategic planning and risk assessment to ensure future-proof security for digital systems.



Quantum computing threatens encryption, needs post-quantum migration.

Scan to watch the selected excerpts from the round-table discussion.



Prof. Fatima Zahra Moussaid highlighted the importance of integrating economic and environmental studies when designing technological solutions. She emphasized that technology should not be developed in isolation, but rather aligned with real-world challenges such as water pollution and sustainable resource management. Her talk stressed the need for interdisciplinary approaches to ensure that technological innovations are both economically viable and environmentally responsible.

Economics, environment, technology solving real problems.



SciMeTech-SD-26 International Conference

Moroccan Quantum Computing Cluster (MQCC) Annual Meeting

Day 3 of the conference



← **BACK** SciMeTech-SD 2026 also hosted the annual meeting of the Moroccan Quantum Computing Cluster (MQCC), bringing together members, researchers, educators, and technology enthusiasts to reflect on the cluster's achievements and discuss future directions. The meeting provided a platform to review ongoing initiatives, explore new collaboration opportunities, and strengthen the growing quantum computing community in Morocco.

Participants exchanged ideas on research, education, outreach activities, and strategic partnerships aimed at advancing quantum technologies and fostering innovation at both national and international levels. The annual meeting reaffirmed MQCC's commitment to building a vibrant ecosystem that supports knowledge sharing, scientific excellence, and the development of future quantum talent.

Together, we continue building the future of quantum computing in Morocco.



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“Special thanks to the President of the University for his continuous support and commitment to advancing research, innovation, and international collaboration. We also extend our sincere gratitude to the Director of EST Essaouira, administrative staff and our sponsors, for their dedication, professionalism, and invaluable efforts in ensuring the success of the conference. Finally, we thank all members of the organizing, scientific, and program committees, whose hard work and commitment made SciMeTech-SD 2026 a remarkable international event.”

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