ICC*EE*T

The International Conference on Creative Engineering and Emerging Technologies:
Exploring Future Edges

المؤتمر الدولي للهندسة الإبداعية والتقنيات الناشئة: استطلاع آفاق المستقبل

University of Nizwa, Oman

April 27 - 29, 2026

Ensuring excellence in teaching, research, and community engagement is key to advancing academic progress. With this vision, the College of Engineering and Architecture (CEA) at the University of Nizwa is thrilled to establish its periodical conference titled "The International Conference on Creative Engineering and Emerging Technologies: Exploring Future Edges", following valuable feedback and approval at the university levels.

This conference is a significant step toward fostering a dynamic environment for academic growth and innovation. We are committed to promoting cutting-edge research of integrative engineering and other disciplines, align with the strategic goals of the college, Nizwa University, and Oman vision 2040.

Through this conference, we are excited to accomplish the following goals:

1- Advancing innovative, interdisciplinary, and collaborative research initiatives.
2- Strengthening ties with industry and the community, offering valuable services and fostering meaningful partnerships.
3- Provide a platform for the students and advanced researchers to present groundbreaking work.

ICC*EE*T will feature insightful keynote speeches, contributed research presentations, and discussions on theoretical and practical advancements in various engineering domains. By bringing together experts from around the world, ICC*EE*T aims to facilitate knowledge exchange, inspire new research directions, and highlight groundbreaking technological advancements.
Hence, the conference will serve as a networking hub for leading international and multidisciplinary research communities, as well as industry experts and technology developers.

Hosted by the University of Nizwa, the conference will take place in Nizwa, Sultanate of Oman. Nizwa is the largest city in Al-Dakhiliyah Governorate and is about 160 km away from the capital city, Muscat. As one of the country's cultural and academic centers, Nizwa offers a unique blend of tradition and modernity, surrounded by breathtaking landscapes of mountains, valleys, and historical landmarks. The city is home to iconic sites such as Nizwa Fort, the traditional souq, and the ancient Falaj Daris irrigation system.

Conference title:

The International Conference on Creative Engineering and Emerging Technologies: Exploring Future Edges

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Conference dates:

Monday 27th - Wednesday 29th - April 2026

Conference Overview

The conference aims to serve as a global platform bringing together academic scholars, industry experts, and young innovators to exchange ideas, share groundbreaking research, and explore future technological frontiers. The event will feature plenary and technical sessions under the central theme: **"Engineering a Greener World."**

This theme reflects our shared vision and interdisciplinary approach, emphasizing sustainability, innovation, and real-world impact.

The event will feature plenary and technical sessions on the main tracks of the conference

Conference Tracks:

1. Green Hydrogen and Net-Zero Systems: Integrated Technologies for a Carbon-Free Future

Overview:

This track focuses on engineering a cleaner, smarter world by integrating green hydrogen with next-generation energy systems. Topics include hydrogen production, storage and distribution, energy storage, electrification, and smart grid technologies. It spans chemical processes, electrical infrastructure, and urban planning—aiming to build a future powered by clean energy.

2. Environmental Innovation in Water, Waste, and Emissions Management Overview:

This track targets smart engineering solutions for environmental protection. It addresses advanced water treatment, emissions reduction, CO_2 capture, and zero-waste systems. The focus is on practical, scalable technologies to enhance environmental sustainability.

3. Sustainable Smart Cities and Climate-Flexible Infrastructure

Overview:

This track brings together experts in architecture, civil, and environmental engineering to rethink urban design. Topics include green building technologies, energy-efficient design, smart infrastructure, and systems resilient to climate change promoting livable, adaptive, data-driven cities.

4. Innovation in Electrical, Electronic, and Computer Engineering

Overview:

This track covers breakthroughs in semiconductors, embedded systems, AI integration, power electronics, intelligent sensors, and automation. It connects core hardware innovations with practical applications in energy, industry, and smart environments.

5- Bio-innovations in materials and regenerative engineering

Overview:
This track showcases interdisciplinary advances in biomaterials, tissue engineering, and bioinspired design. It highlights novel ceramics, polymers, and nanostructured materials for musculoskeletal and organ regeneration, alongside 3D printing and additive manufacturing for biomedical devices. Smart scaffolds with embedded sensors, bio-electronic interfaces, and translational pathways from laboratory to clinic are also central themes. By connecting materials science, biomedical engineering, and computational technologies, the track demonstrates how engineering innovation is reshaping healthcare and human wellbeing.

6- Undergraduate research and innovation Track Overview:
In recognition of the vital role of young researchers in shaping future scientific progress, ICCEET2026 will feature a distinct **Undergraduate Research and Innovation Track**. This section welcomes final-year students and early researchers to share their projects, design concepts, and experimental studies that demonstrate inventive problem solving and interdisciplinary thinking. The track provides an encouraging environment for students to communicate their findings, engage with peers and experts, and explore pathways toward advanced research. Selected works will receive special recognition and opportunities for professional growth and collaboration.

Potential participants in the conference, are:

- Undergraduate Students: Encouraging participation of final-year students through showcases of innovative projects aligned with the conference themes.
- Researchers (postgraduate students, MSc and PhD degrees holders, and industry professionals): Engaging advanced researchers from diverse disciplines for discussions, workshops, and presentations to bridge knowledge gaps and create new opportunities.

Sponsorship:
Thanks to the positive response received from potential sponsors, including Nama Water Services, the conference has demonstrated strong appeal to organizations committed to sustainability, innovation, and knowledge exchange. These early engagements serve as a foundation for expanding sponsorship partnerships with leading academic institutions and industry stakeholders within Oman and internationally. In this regard, we gratefully acknowledge the Arab League Educational, Cultural and Scientific Organization (ALECSO) for its sponsorship of the conference through the Arab Youth Innovation and Creativity Award, reinforcing the conference's mission to support excellence, creativity, and youth-led innovation.

International collaborator:
The University of Nizwa established collaboration with prestigious institutions to enhance the proposed conference's quality and impact. A collaboration opportunity with the University of Hull from the UK and Comsats University Islamabad from Pakistan were explored and recently activated in this respect. Hull and Comsats are distinguished institution known for its strong

emphasis on engineering research, innovation, and interdisciplinary collaboration. With cuttingedge facilities and a commitment to advancing science and technology, they serve as an ideal partner for fostering global academic exchange. The Colleges of Engineering at abovementioned institutions are offering expertise in areas such as energy systems, materials science, AI-driven engineering solutions, and sustainable infrastructure, aligning well with the themes of the CEA proposed conference. Collaborating with Hull and Comsats Universities would provide opportunities for joint research projects, keynote contributions from esteemed faculty, and student engagement through workshops and technical sessions. Additionally, the universities extensive network of industry partnerships and research centers could enhance knowledge transfer and innovation in engineering. This collaboration would further strengthen the international reach of the conference, attracting high-quality submissions and fostering long-term academic cooperation.

Keynote speakers:

ICCEET2026 will feature keynote addresses from a distinguished group of national and international leaders and academics. The keynote program includes Dr. Abdullah Sulaiman AlAbri, Vice President for Sustainability at SOHAR Port and Free Zone, together with prominent international speakers such as Dr. Dmitriy Kuvshinov and Dr. Linda Whicker (University of Hull, UK), Dr. Fahad Rehman (COMSATS University, Pakistan), Professor Ali Reza Kamali (Northeastern University – China), Professor Ali Abbas and Professor Hala Zreiqat (The University of Sydney, Australia), Professor Abdullah I. Al-Hasanat (Al-Hussein Bin Talal University, Jordan), and Mr. Markus Heinsdorff, Independent Senior Architect from Germany. Their collective expertise in sustainability, engineering innovation, and emerging technologies reflects the conference's global reach and interdisciplinary vision.

Committees:

Joint organizing committee, scientific committee, and steering committee were formed from University of Nizwa, Sultan Qaboos University, Hull University, and Comsats university delegates to serve for the conference management, as per details to be announced later.

Paper submission guidelines:

Researchers are invited to submit full papers presenting their work, with a maximum length of nine single-spaced, single column pages, including any figures or illustrations. The first page should clearly display the paper's title, a concise abstract, relevant keywords, and the main body of text. To maintain anonymity during the review process, author names must not be included in the submission. The abstract should be no longer than 250 words and must briefly highlight the study's objective, key findings, and major conclusions. Directly after the abstract, authors should provide up to six keywords for indexing. These keywords should accurately represent the paper's content rather than being directly extracted from the title. The introduction should provide a clear background of the research problem, previous studies in the area, the purpose of the study, and its contributions. This section should be labeled with the Roman numeral "I." Subsequent sections such as methodology, results, and discussion, should be numbered accordingly. A dedicated conclusion section is required, summarizing the key advantages of the research, any limitations,

practical applications, and potential directions for future work. The references section does not require numbering. References should be arranged alphabetically based on the last name of the first author. Citations within the text must be numbered sequentially and enclosed in square brackets, e.g., [1]. The reference list should include complete details such as author names, journal or book titles, chapter or article titles, year of publication, volume numbers, book chapters, and page ranges. Including DOIs is strongly encouraged.
Papers must be submitted electronically in Microsoft Word format through the official conference submission system (CMT). The platform can be accessed via **https://www.unizwa.edu.om/ICCEET2026/**, where authors will also find a final submission template. Before acceptance, all reviewer comments must be addressed, and the manuscript should be formatted according to the "camera-ready guidelines" available on the conference website. Accepted and registered papers will be included in the official conference proceedings. Furthermore, selected papers presented at the conference will be published in an internationally recognized, SCOPUS-indexed journal. Each published paper will be assigned a unique DOI.

Evaluation process:

Submitted papers will be assessed based on the significance and relevance of the research topic to the conference themes. The evaluation process also considers technical quality, originality of the approach, validity of results, and clarity of presentation. Each submission will undergo a thorough review by the Scientific Committee and will be evaluated by at least two specialized reviewers. Papers that meet the required standards and are approved by the committee will be selected for presentation at the conference.

Important dates:

The conference timeline includes:

Conference Announcement & Website Launch	15 July 2025
Full Paper Submission Opens	1 September 2025
Full Paper Submission Deadline	31 January 2026
Notification of Acceptance	15 February 2026
Camera-Ready Submission Deadline	15 March 2026
Final Program Announcement	10 April 2026
Conference Dates	27–29 April 2026