



**12<sup>th</sup> UNESCO Africa  
Engineering Week &  
10<sup>th</sup> African Engineering  
Conference**



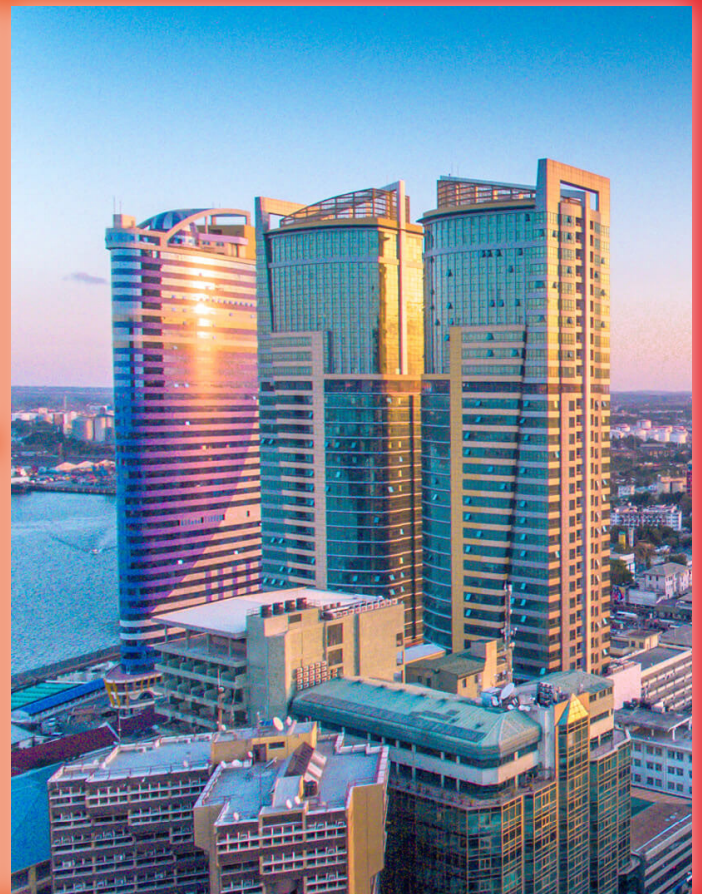
**13<sup>th</sup> – 17<sup>th</sup> September 2026**



**JNICC, DAR ES SALAAM**

**African conference on “Engineering Africa's Inclusive, Innovative, and Sustainable Future”**

# CALL FOR PAPERS



African Scientific  
Research and  
Innovation Council

# About FAEO and IET

The Federation of African Engineering Organizations (FAEO) is an international non-governmental organization that serves as the overall leader and representative body for the engineering profession across Africa. It unites engineering practitioners and member organizations from various African countries, advocating for their interests notably on the global stage through platforms like the World Federation of Engineering Organizations (WFEO). FAEO aims to foster unity, promote excellence in engineering practice, and apply engineering expertise for the benefit of humanity and sustainable development throughout the continent. Through initiatives such as committees (e.g., Women in Engineering), membership programs, continental events, and alignment with broader goals like poverty reduction, FAEO works to advance the profession while addressing Africa's unique developmental challenges.

The Institution of Engineers Tanzania (IET) is a professional, non-governmental organization and non-profit society registered under the Societies Act in Tanzania, dedicated to advancing the engineering profession and representing the interests of engineers across the country. It serves as a leading body for engineers, promoting excellence in engineering practice, innovation, and the integration of science, technology, public policy, and resource management to drive sustainable development and national progress. Through high-impact services, including professional development, training programs, technical site visits, events, publications such as The Tanzania Engineer journal, and advocacy for the technical cadre, IET fosters professional growth, supports its members, and contributes to engineering businesses and societal challenges in Tanzania while aligning with broader goals of building engineering excellence and gender equity in the field.



**INSTITUTION  
OF ENGINEERS  
TANZANIA (IET)**



# Background

The 12th UNESCO Africa Engineering Week, combined with the 10th Africa Engineering Conference, represents a landmark continental gathering organized under the auspices of UNESCO, in partnership with the Federation of African Engineering Organizations (FAEO) and the World Federation of Engineering Organizations (WFEO). Launched in 2014 in South Africa to highlight engineering's critical role in sustainable development, inspire youth into STEM careers, and promote engineering solutions aligned with the UN Sustainable Development Goals (SDGs) and African Union Agenda 2063, this annual event has rotated across diverse African nations including Ethiopia, Ghana, Kenya, Nigeria, Rwanda, South Africa, Zambia, Zimbabwe, Angola, and Uganda fostering knowledge exchange, capacity building, gender equity through the Africa Women Engineers Forum (AWEF), youth innovation, and public awareness of engineering's impact on society.

## About the 12th UNESCO Africa Engineering Week & 10th Africa Engineering Conference

Now hosted for the first time in Tanzania at the prestigious Julius Nyerere International Conference Centre (JNICC) in Dar es Salaam from 14-17 September 2026 (with related activities from 13-19 September), under the theme ***"Engineering Africa's Inclusive, Innovative, and Sustainable Future"***, the 12th edition expects 1,000 delegates to engage in technical sessions across six strategic sub-themes, integrated forums, an innovation showcase, gala events, and post-conference excursions to Zanzibar or Mikumi National Park. This milestone builds on the event's legacy of uniting engineers, policymakers, educators, and stakeholders to drive inclusive growth, innovation, and resilient infrastructure tailored to Africa's unique challenges and opportunities.



The Strategic Alignment Framework of the 12th UNESCO Africa Engineering Week & 10th Africa Engineering Conference ensures that the central theme and its six sub-themes are deliberately mapped to create coherence across Global, Continental, and National Development priorities. By centering engineering solutions within concentric layers of influence starting from the core theme and radiating outward to the UN Sustainable Development Goals (SDGs) (providing universal benchmarks for sustainable progress), the African Union Agenda 2063 (articulating a shared continental vision for inclusive growth, innovation, and self-reliance), and Tanzania's national development vision (outlining specific priorities and implementation pathways for the host country) the conference guarantees that discussions, papers, and outcomes directly support interconnected agendas. This structured alignment not only reinforces the relevance and impact of the engineering contributions presented but also positions the event as a powerful platform for generating practical, scalable solutions that advance sustainable development, resilience, and inclusive prosperity across Africa.

## **Conference Theme: Engineering Africa's Inclusive, Innovative, and Sustainable Future**

This theme reflects our commitment to building an Africa that embraces innovation, ensures no one is left behind, and protects our environment for future generations. The conference brings together 1,000 delegates to shape engineering solutions for continental transformation. Targeted delegates include academicians, researchers, contractors, consultants, industrialists, politicians, public and private entity representatives from the African regions and beyond.

### **Sub-Themes**

#### **1: Climate-Resilient Infrastructure: Sustainable cities and adaptive infrastructure for Africa's urban future.**

Focuses on innovative approaches to planning, designing, and managing infrastructure that can withstand climate-related risks such as floods, droughts, heatwaves, and rapid urbanization. It explores sustainable urban planning, resilient transport systems, green building technologies, nature-based solutions, climate-smart housing, and adaptive infrastructure systems. The sub-theme also examines policy frameworks, risk-informed land use planning, disaster preparedness, climate finance mechanisms, and inclusive strategies to protect vulnerable communities while supporting sustainable urban growth across Africa.



#### **2: Energy Transition: Sustainable power systems driving industrial growth and electrification.**

Addresses the shift from conventional energy systems to renewable, reliable, and low-carbon power solutions that support industrialization and universal access to electricity. It covers renewable energy technologies, grid modernization, decentralized energy systems, energy efficiency, green hydrogen, storage solutions, regulatory reforms, and investment strategies. The sub-theme also highlights the role of sustainable power in boosting manufacturing, job creation, rural electrification, and regional energy integration for long-term economic transformation.



### **3: Digital Transformation: AI and smart engineering systems for knowledge-based economies.**

Explores the integration of artificial intelligence, digital engineering tools, smart infrastructure systems, and emerging technologies in advancing Africa's knowledge-based economies. It examines digital twins, smart cities, data-driven decision-making, automation, cybersecurity, and digital governance frameworks. The sub-theme further considers the legal, ethical, and institutional dimensions of digital innovation, capacity building for engineers, and strategies to harness technology for productivity, efficiency, and sustainable development.



### **4: Engineering Education: Professional practice, skills development, and regional mobility.**

Examines the modernization of engineering education and professional standards to meet evolving industry demands. It focuses on curriculum reform, practical training, accreditation systems, research and innovation ecosystems, continuous professional development, and cross-border recognition of qualifications. The sub-theme also addresses industry-academia collaboration, digital learning platforms, ethical practice, and strengthening regional mobility of engineers to support Africa's infrastructure and industrial growth.



### **5: Gender and Youth Innovation: Inclusive engineering leadership empowering women and youth.**

Highlights strategies to promote inclusive participation, leadership, and entrepreneurship among women and youth in engineering and infrastructure development. It explores policy reforms, mentorship programs, access to finance, STEM education promotion, innovation hubs, and capacity-building initiatives. The sub-theme emphasizes removing systemic barriers, fostering diversity in leadership, and creating opportunities that harness the creativity and potential of young professionals and women to drive sustainable development.



## **6: Water & Environment: Natural resource management for sustainable development.**

Focuses on sustainable management of water resources and environmental systems to support economic growth and climate resilience. It covers integrated water resource management, sanitation infrastructure, watershed protection, waste management, pollution control, biodiversity conservation, and circular economy approaches. The sub-theme also examines governance frameworks, community engagement, environmental impact assessment, and innovative technologies that balance development needs with ecological sustainability for present and future generations.



# Call for Application and Timelines

**The Call for Papers for the 12th UNESCO Africa Engineering Week & 10th Africa Engineering Conference** invites submissions of original, high-quality abstracts and papers from engineering practitioners, researchers, academics, professionals, policymakers, students, and innovators across Africa and globally. Papers must align with the conference theme and address at least one of the six strategic sub-themes.

## Submission Attributes and Eligibility

- 1. Originality:** Submissions must represent original work not previously published or under consideration elsewhere.
- 2. Relevance:** Content should directly contribute to advancing engineering solutions for inclusive growth, innovation, sustainability, and Africa's unique developmental challenges.
- 3. Technical Quality:** Papers should demonstrate sound methodology, clear objectives, significant results or insights, and practical or theoretical contributions to the field.
- 4. Format:** Abstracts (typically 200 words) should include title, author(s) details, affiliation(s), and key focus. Full papers (following standard academic or ASRIC-style guidelines from prior editions) must be structured with introduction, methods, results, discussion, and conclusions.
- 5. Language:** English (official conference language).
- 6. Presentation:** Accepted papers will be selected for oral or poster presentation during technical sessions; one author per accepted paper qualifies for free registration (applicable to speakers and LOC members).
- 7. Target Audience Fit:** Emphasis on work that fosters knowledge exchange, best practices, capacity building, gender equity, youth empowerment, and stakeholder collaboration.

## Selection Criteria

Papers undergo peer review by at least two independent referees (based on precedents from prior UNESCO Africa Engineering Week events). Evaluation focuses on:

- 1. Relevance and Alignment** (to the theme, sub-themes, and strategic development agendas)
- 2. Originality and Innovation** (novel contributions or fresh perspectives on African engineering challenges)
- 3. Scientific/Technical Merit** (rigor of approach, validity of methods, quality of analysis, and evidence-based conclusions)
- 4. Clarity and Structure** (well-organized, logically presented, and professionally written)



**5. Impact and Practicality** (potential to influence policy, practice, education, or sustainable development in Africa)

**6. Inclusivity** (consideration of diverse perspectives, such as gender, youth, or regional contexts)

## Key Timeline

1. Abstract submission deadline: **30<sup>th</sup> May 2026**
2. Abstract acceptance notification: **15<sup>th</sup> June 2026**
3. Full paper submission deadline: **15<sup>th</sup> August 2026**
4. Paper acceptance notification: **20<sup>th</sup> August 2026**
5. Final (camera-ready) paper submission: **30<sup>th</sup> August 2026**

For submission guidelines, templates, detailed author instructions, and the online portal, visit the official conference website <https://iet-africaengineeringweek.co.tz/> or contact the Local Organizing Committee. This is your opportunity to contribute to shaping Africa's engineering future. Submit your abstract and join 1,000 delegates in Dar es Salaam

## Submission, Review, and Results

**The Submission and Review Process for Abstracts for the 12th UNESCO Africa Engineering Week & 10th Africa Engineering Conference** follows a structured, peer-reviewed approach consistent with previous editions of the event, ensuring high-quality, relevant contributions to its theme.

### Submission Process

- 1. Prepare Your Abstract:** Authors should submit an original abstract (typically 200–300 words) that clearly outlines the paper's title, objectives, methodology, key findings or expected contributions, and relevance to one or more of the six sub-themes. Include full author details (names, affiliations, email contacts) and indicate the preferred presentation format (oral or poster, though final decisions rest with the committee).
- 2. Online Submission:** Abstracts must be submitted electronically via the official conference website <https://iet-africaengineeringweek.co.tz/>. Use any provided templates or guidelines for formatting. Submissions in English are required (send your abstract as a PDF document with "Abstract Submission – [Your Paper Title]" in the subject line; include all required details such as title, authors, affiliations, sub-theme, and 200–300 word content).
- 3. Deadline:** Abstracts must be received by 30th May 2026. Late submissions may not be considered.
- 4. Confirmation:** Upon submission, authors receive an automated acknowledgement. Multiple submissions by the same author are permitted, but each must be original and standalone.

## Review Process

All submitted abstracts undergo a rigorous peer-review process managed by the Scientific/Technical Committee (comprising experts from FAEO, UNESCO partners, and local organizers):

- 1. Initial Screening:** Abstracts are checked for completeness, originality, alignment with the theme/sub-themes, and adherence to guidelines.
- 2. Peer Review:** Each abstract is evaluated by at least two independent reviewers based on established criteria (relevance and alignment, originality and innovation, scientific/technical merit, clarity and structure, impact/practicality, and inclusivity considerations).
- 3. Decision Notification:** Authors are notified of acceptance, conditional acceptance (with revisions), or rejection by **15th June 2026**.
- 4. Next Steps for Accepted Abstracts:** Authors of accepted abstracts are invited to submit full papers by 15th August 2026, following detailed guidelines (often aligned with ASRIC or similar standards from prior editions). Full papers undergo further review, with acceptance notifications by 20th August 2026 and final camera-ready versions due by 30th August 2026. Accepted papers are scheduled for oral or poster presentation in technical sessions. One author per accepted paper typically qualifies for free registration (for speakers and LOC members as applicable).

## Publication process

All selected papers will be considered for publication in the ASRIC Scientific Journal of Engineering Sciences - <https://asric.africa/>

This transparent, merit-based process ensures that only high-impact, technically sound contributions are presented, fostering meaningful dialogue and solutions for Africa's sustainable development challenges. For the latest templates, detailed instructions, and submission link, monitor the conference website Submit early to secure your place in shaping the continent's engineering future!

## Contact Information

For further consultation with regard to abstract submission please use the following contact details provided by the host organization, the **Institution of Engineers Tanzania (IET)**:

**Email:** [info@iet-africaengineeringweek.co.tz](mailto:info@iet-africaengineeringweek.co.tz)

**Phone:** +255 745 552 420 or +255 738 133 778 (available for calls and WhatsApp for inquiries, confirmation, or guidance on submission).



