

# The Fifth International Adaptive and Sustainable Science, Engineering and Technology (ASSET) Conference

29–31 July 2026, Manchester, UK and Nairobi, Kenya

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Venue(s): Manchester Met University, UK and University of Nairobi, Kenya

Virtual Attendance: [Online](#)

## Call for Papers

### Background

The Adaptive and Sustainable Science, Engineering and Technology (ASSET) Council facilitates interactions amongst experts and professionals from communities of interest on developing and deploying adaptive and sustainable science, engineering and technology and applications for national security and socio-economic development. The council embraces the disciplines of applied science, engineering and technology, focusing on the total integrated complex systems effectiveness of national and global significance. The applications base is sustained through knowledge transfer partnerships and multidisciplinary research and development collaborations.

### Conference Objectives

The Adaptive and Sustainable Science, Engineering and Technology conference serves as an interactive forum for the advancement of the practice of adaptive and sustainable systems across the multiple disciplines and specialty areas involved with the science, engineering and technology of integrated entities, complex systems and networks. The conference will provide an avenue for ASSET practitioners, researchers, managers, developers, analysts, educators and users to exchange innovative ideas, concepts, applications and lessons learned in addressing domain-specific problems, applications-oriented topics, methodologies, standards and multidisciplinary research opportunities and findings relating to ASSET systems.

### Scope of the Conference includes:

#### Mobile and Satellite Communications

- RF / Microwave / Millimetrewave Devices and Systems
- Satellite Systems, Applications, Missions and Operations
- Antennas and Propagation Engineering
- Wireless Sensors and Mobile Communications Networks
- Metamaterials and Metasurfaces

#### Internet of Things, Artificial Intelligence and Big Data

- Smart IoT Sensors Design, Integration and Applications
- Cyber Security and Information Encryption
- Robotics and Human-Machine Systems
- Big Data Analytics
- AI/Machine Learning Algorithms and Applications

#### Sustainability, Environment, Climate Action and Agriculture

- Smart Cities and Sustainable Infrastructure Design
- Circular and Net Zero Economy and Environment
- Security, Safety and Surveillance
- Precision Agriculture / Smart Farming and Food Production
- Product Life Cycle Analysis
- Design for Sustainability
- Sustainability Readiness Level and Technology Readiness Level

#### Complex Systems and Hybrid Advanced Manufacturing

- Adaptive Systems Development and Operation
- Complex Infrastructure Systems Management
- Green Systems Engineering Design and Modelling
- 3D / Nanoscale Printing and Additive Manufacturing

#### Renewable Energy Generation, Transmission & Utilisation

- Renewable Energy Harvesting Techniques
- Energy Grid Management and Sustainability
- On-demand Renewable Energy Networks
- Smart Power Line Communications

#### Future Living and Healthcare

- Bioengineering and Biomedical Technology Applications
- Biosensors for Healthcare Applications
- Sustainable Digital Transformation in Healthcare
- Smart Healthcare and Sustainable Living and Working

#### General and Multidisciplinary Topics

- Entrepreneurship, Innovation, Commercialization
- Governance, Policy, Management, Finance, Education
- Sustainable Development Goals

Full Paper Submission Deadline  
30 April 2026

Acceptance Notification  
15 May 2026

Camera-ready Submission Deadline  
07 June 2026

Technical Sponsors:



## Keynote Speakers

Prof Sang Choi, NASA Langley Research Centre, Virginia, USA

Prof Enrica Roccotiello, University of Genoa, Italy

Prof Liangxiu Han, Manchester Met University, UK

Etom Ofem, Regional HE Insights Lead, British Council, Nigeria

Engr Paul Sheedy, Unifi.id, UK

Prof Zhipeng Wu, The University of Manchester, UK

Prof. Kennedy O. Ogollah, University of Nairobi, Kenya

Prof Alan Briones Delgado, Ramon Llull University (La Salle), Spain

Prof Keeley Crockett, Manchester Met University, UK

Engr Stephen Alabi, SmOp CleanTech, UK

Prof Jaume Anguera, Ignion /Ramon Llull University (La Salle), Spain

Balaji Perumal, Anya Consulting Services, UK

Prof Peter Aaen, Colorado School of Mines, Illinois, USA

Prof Hans Degens, Manchester Met University, UK

The conference serves both practitioners and academics. Accepted and presented papers will be archived in the ASSET® database and SpringerLink®. Authors of accepted papers will have the option to submit an extended version of their paper(s) for review and publication in the ASSET journal.

## Paper Formatting Requirements

The allowed paper length is seven (7) pages in a single-column format. Submitted papers should be formatted for printing on 21x29.7-cm A4-size paper and should strictly follow the [ASSET conference paper template style](#) information posted at the [ASSET website](#).

## Paper Submission Procedure

Papers are required in Adobe Acrobat format (\*.PDF) and must be submitted through the [Online Conference Service OCS](#) system at <https://assetgrp.org/>.

## Important Dates

Initial Full <a href="#">Paper Submission</a>	30 April 2026
Notification of Acceptance	15 May 2026
<a href="#">Camera-ready Submission</a>	07 June 2026

## Registration

Starts	30 May 2026
Ends	29 July 2026

## Fees

\$250.00*	Up to two (2) papers and \$50.00 for an extra paper(s)
\$100.00*	Students

\*There is a concessionary registration for academics and students from the developing and the under-developed countries.

## Best Paper Awards

The best five (5) presented papers at the ASSET conference will receive an award of \$100.00 each.

### Steering Committee

Zeyad Elsaraf, ManMet Uni.; Isaac Oluwatayo, Uni. of Venda, South Africa; Peter Aaen, Colorado School of Mines, Illinois, USA; Sunday Enahoro, ManMet Uni.; Olawole Kuti, ManMet Uni.; Segun Obadire, Uni. of Venda, South Africa; Quan Liu, Wuhan Uni. of Technology, China; Zhipeng Wu, The Univ. of Manchester, UK; Ito Esiet Udo, Uni. of Uyo, Nigeria; Mehdi Zeinali, Uni. of Hull; Jiling Feng, ManMet Uni.; Jiling Feng, ManMet Uni.; Gloria Iyawa, Uni. of Salford; Soham Ghosh, Jadavpur Uni., Kolkata, India.

### Organising Committee

General Chairs	Technical Programme Chairs	Short Courses Chairs	Exhibit Chairs	Local Organising Committee Chairs	Best Paper Award Chairs
Sunday Cookey Ekpo ManMet Uni., UK	Jamal Zaid Huawei, Canada	Umar Raza ManMet Uni., UK	Kolawole Olasunkanmi, SmOp Cleantech, UK	Peter Kiilu Uni. of Nairobi, Kenya	Muhammad Ijaz ManMet Uni., UK
Ochieng Duncan Elly, Uni. of Nairobi, Kenya	Noushin Karimian ManMet Uni., UK	Samik Chakraborty Regent Edu. & Research Foundation, India	Michael Ejim TISG, UK	MfonObong C. Uko TISG, UK	Mercy Munjuri Uni. of Nairobi, Kenya

Publicity Chairs: Fanuel Elias, ManMet Uni., UK; Rahul Unnikrishnan, SmOp Cleantech, UK; Amit Ghosh, PK Uni., India; Peter Munyao Kiilu, UoN, Kenya; Iresh, ManMet Uni., UK; Amit Ghosh, PK Uni., India; David, ManMet Uni., UK