



University : Northern Technical University  
Country : Iraq  
Web Address : <https://www.ntu.edu.iq>

## **SDG 7.4: Energy and the community**

### **7.4.1 : Does your university as a body provide programmes for local community to learn about importance of energy efficiency and clean energy?**

Northern Technical University (NTU) recognizes the critical importance of promoting energy efficiency and clean energy within our surrounding communities. As part of our commitment to sustainability and community engagement, the university actively hosts programs and initiatives geared towards educating local residents on these vital topics. Here are several ways NTU provides opportunities for the community to learn about the significance of energy efficiency and clean energy:

- ❖ **Workshops and Seminars:** NTU regularly organizes workshops, seminars, and informational sessions focusing on energy efficiency, renewable energy sources, and sustainable practices. These events are open to the public and create a platform for community members to engage with and learn from experts in the field. By facilitating these educational opportunities, the university aims to foster a deeper understanding of sustainable energy practices and encourage local residents to adopt energy-efficient behaviors in their homes and businesses.
- ❖ **Community Outreach Programs:** Through outreach initiatives, NTU collaborates with local organizations and schools to promote energy conservation and renewable energy use. These programs may include interactive demonstrations, hands-on activities, and educational materials designed to engage participants of all ages.
- ❖ **Sustainable Development Projects:** NTU invites community involvement in various sustainability projects across campus and in the local area. These projects often emphasize practical applications of energy efficiency and clean energy technologies, allowing community members to gain firsthand experience and knowledge.
- ❖ **Public Awareness Campaigns:** The university conducts public awareness campaigns to highlight the importance of energy efficiency and the benefits of clean energy.
- ❖ **disseminating information via social media, local media, and community events,** NTU strives to inspire positive action and a collective movement towards sustainability.
- ❖ **Collaboration with Local Governments:** NTU works closely with local governmental bodies to align efforts in promoting clean energy initiatives. This collaboration often results in community forums and events where residents can learn about government programs, policies, and incentives related to energy efficiency and renewable energy.

By facilitating these programs, Northern Technical University aims to empower the local community with knowledge and resources that promote sustainable energy practices, fostering a collective commitment to a greener, more energy-conscious future.

The campaign of Mrs. President of the Northern Technical University in rationalizing energy consumption and supporting [clean energy](#)



NTU President welcomed a delegation from a [private clean energy company](#)...



Hawija Technical Institute organizes a scientific course on ([the installation of solar energy systems](#))



Master's thesis at the Northern Technical University looking for ([a practical study to improve the performance of a solar distiller using solar collectors](#))





The Northern Technical University discusses [the design and analysis of the solar energy system...](#)



Technical Master's Thesis at the Northern Technical University Discusses: [Improving Electricity Production Using a Hybrid Electricity System](#)



The Media and Government Communication Division at Kirkuk Technical Institute launches an [educational awareness campaign](#) on rationalizing electricity and water conservation methods



Al-Dour Technical Institute organizes an electronic workshop entitled [\(Renewable Energy and its Role in Improving the Environment\)](#)







The President of the Northern Technical University  
launches a [campaign to rationalize electricity consumption](#).

#طفي الزايد



أ.د. علياء عباس العطار - رئيس الجامعة التقنية الشمالية

الموصل ومنذ القدم هي مضرب المثل ومورده في النظام وتطبيق القانون  
لذلك وجود بعض الظواهر السلبية غير مقبول ونسعى جميعاً كمؤسسات  
علمية وتعليمية أن نصنع جيل واعٍ قادر على مواجهة هذه السلبيات،  
لذلك نحن داعمين لتقنين إستهلاك الكهرباء والتحول إلى الطاقة البديلة  
من خلال مكافحة ظاهرة الإسراف والتبذير

٢٤ ساعة كهرباء نكدر نحافظ عليها بس طفي الزايد

#[International Conference on Advanced Engineering Science and Technology](#) #ICESAT2023

**icesat.org**

## Call for papers

**International Conference  
on Engineering Science  
and Advanced Technology  
ICESAT-2023**

**ABOUT THE CONFERENCE**

The conference is a leading forum for submitting and introducing novel data in various scientific fields. This event will give the opportunity to all academic researchers, scholars and postgraduate students to meet, share and discuss the results of their academic researches. Focusing on current applications in the Engineering field is a priority in this conference to boost knowledge for those aforementioned interested persons.

Venue | Northern Technical University | Technical Engineering College / Mosul

Organizer | The conference is organized by Northern Technical University | Technical Engineering College / Mosul

Conference Chair | Prof. Dr. Aliya Abbas Ali Al-Attar, President of Northern Technical University

Conference Co-Chairs | Asst. Prof. Dr. Omar R. Alomar, Vice President of Scientific Affairs, Northern Technical University  
Asst. Prof. Dr. Majid K. Najim, Dean of Technical Engineering College / Mosul

**ONLINE SUBMISSION**

The submission of the paper should be performed via EDAS and the author[s] needs to have an EDAS account. If you already have an account, just login in and you will be guided to the appropriate page. Following is the link for the submission via EDAS system:  
<https://edas.info/N30539>

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IEEE reserves the right to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) in two cases: if the paper is not presented at the conference, or if the quality and findings of the paper are not well explored and convincing.  
This will be checked by IEEE with all accepted papers. Any accepted paper without presenting the work, the paper will be withdrawn from the conference proceeding, and will not be submitted to the IEEE Xplore Digital Library.

**CONFERENCE TOPICS**




- Computer Engineering, Communication Engineering and Information Technology
- Electrical and Electronic Engineering
- Biomedical Engineering
- Cyber Security and Cryptology
- Mechanical and Production Engineering
- Structural and Architectural Engineering
- Chemical Engineering and Oil Refining
- Robotic and Mechatronics Engineering

**IMPORTANT DATES**

The important dates of the conference are as follows:

Conference announcement:	December 01, 2022
Full paper submission:	January 01, 2023
Full paper submission deadline:	April 01, 2023
Notification of acceptance:	April 15, 2023
Deadline for camera-ready paper:	May 01, 2023
Authors registration deadline:	May 15, 2023
Conference date:	May 31- June 01, 2023


**ICESAT**



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### CONFERENCE TOPICS

- Clean Coal Technology
- Clean energy investments
- Advanced Energy Technologies
- Air pollution control and equipment
- Corporate Responsibility and Sustainable Development
- Ecology and Biodiversity Conservation
- Economic and Social aspect of Sustainable Development
- Ecosystem Restoration
- Ecosystems Management
- Energy and Environment Energy Policy, Planning & Management
- Entrepreneurship, Management and Sustainable Development
- Environmental dynamics
- Environmental Ergonomics
- Environmental hydraulics
- Environmental Management
- Environmental policy in developing countries
- Environmental Pollution & Management
- Environmental restoration and ecological engineering
- Environmental Science and Technology
- Renewable sources of energy
- Resource management
- Rural development
- Agriculture
- Bio fuels
- Climate change
- Environmental sustainability
- Green energy systems
- Global warming Green Energy Options
- Hazardous waste and waste treatment
- Health and the Environment
- Hydro power Industrial waste treatment
- Innovative clean technologies
- Nuclear Energy Fission & Fusion
- Policy makers and the Public
- Pollution prevention in industry
- Legal, economic and managerial aspects of solid waste management
- Management of ecosystems, environment and water resources
- Global environmental change and ecosystems management
- Recycling technologies
- Renewable Energy Standards
- Renewable energy technologies
- Solar Energy
- Solid waste Management
- Sustainable Development and Education



#### VISION, MESSAGE AND AIMS

- ✓ **Vision:** Technical education is the path towards achieving sustainable development goals to make it relevant to current and future generations.
- ✓ **Message:** More than ever before, sustainable studies and research are growing up in a world where technology is an indispensable part of everyday life. Such studies advance technical education and response to its priorities by investing in the available capacities and potentials.
- ✓ **Aims:** Developing the necessary capabilities in the field of sustainable development.



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#### VISION, MESSAGE AND AIMS

- ✓ **Vision:** Our vision revolves around the critical role of technical education in achieving sustainable development goals for current and future generations. In a world where technology is spread everywhere, this conference seeks to promote sustainable studies and research, and to benefit from the indispensable nature of technology in daily life.
- ✓ **Message:** The conference emphasizes the importance of sustainable education and research, especially in a world grappling with the challenges posed by climate change. As technology evolves, our commitment is to invest in capabilities and capabilities that respond to the priorities of technical education and sustainable development.



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For more information about Northern Technical University workshops, seminars, courses, and awareness about the importance of energy efficiency and clean energy. You can visit our website

[www.ntu.edu.iq](http://www.ntu.edu.iq)