



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

SDG 7.4: Energy and the community

7.4.4: Does your university as a body inform and support government in clean energy and energy-efficient technology policy development?

Yes, Northern Technical University (NTU) plays an important role in informing and supporting government policy development related to clean energy and energy-efficient technologies.

The university engages in a variety of activities to achieve this objective, including:

Research Initiatives: NTU conducts extensive research on clean energy and energy efficiency, producing valuable data and insights that can inform government policies.

Consultative Expertise: Faculty and researchers from NTU often provide expert opinions and guidance to government bodies, helping to shape effective energy policies based on empirical evidence.

Collaboration with Government: The university collaborates with government agencies on projects and initiatives that focus on clean energy solutions, providing practical recommendations and evaluations.

Educational Workshops: NTU organizes workshops and seminars aimed at equipping policymakers with the latest knowledge and trends in clean energy technologies, thereby supporting informed decision-making.

Policy Advocacy: NTU may publish policy briefs and recommendations based on research findings, contributing to the broader discourse on energy policy and advocating for sustainable practices.

Many researches have been published by Northern Technical University under the caption of ""Northern Technical University, Iraq "& clean energy"" you can refer to the link below for more information:

https://scholar.google.com/scholar?q=%22Northern+Technical+University%2C+Iraq+%22%26+clean+energy%22&hl=ar&as_sdt=2007&as_ylo=2022&as_yhi=2023

The Northern Technical University sponsors the Our Industry is Our Identity Festival for the first time in Nineveh Governorate... Hosting the President of the Northern Technical University, Prof. Dr. Alia Abbas Ali Al-Attar, Niya Al-Sayyidba, on her behalf, attended the Assistant President of the Northern Technical University, Dr. Thanoon Younis Thanoon, witnessed the activities of the Our Industry is Our Identity Festival and the participation of 120 factories and companies from the center and the region, organized by the Nineveh Chamber of Industry in cooperation with Basma Group Company for the last festival until 9/24/2022. The festival was attended by His Excellency Mr. Treasury of Industry and Mr. Governor of Nineveh and a number of directors, which is summarized and dignitaries of the city





Northern Technical University Established the [Renewable Energy Research Center \(RERC\)](#)

The Renewable Energy Research Center (RERC) was established in 2023, under the approval of the Ministry of Higher Education and Scientific Research (5223 on 19/6/2023) and the University decree (7/37/7062 on 12/7/2023) issued by the Northern Technical University. The center aims to [provide](#) a specialized research center focusing on developing alternative and environmentally friendly energy sources to tackle the challenges of traditional fuel running down. It connects directly with the presidency of the Northern Technical University.

RERC Objectives

The objectives of the Renewable Energy Research Center include but not limited:

1. Developing new techniques for utilizing renewable energy more efficiently.
2. Conducting research involving the study and analysis of climate change impacts and developing sustainable solutions to mitigate them.
3. Raising awareness about the importance of renewable energy and sustainability in Iraqi society.
4. Collaborating with the industrial and governmental sectors to implement new technologies in the field of renewable energy.

5. Providing training and education for engineers and researchers in the field of renewable energy.
6. Encouraging innovation and developing policies that promote the use of renewable energy.
7. Providing consultation and technical support for projects related to renewable energy.
8. Contributing to achieving sustainable energy goals at the local and global levels.

Renewable Energy Center Departments

A brief overview of the departments within the center and their core functionalities:

Energy Storage and Nanotechnology Department

The Energy Storage and Nanotechnology Department at the Renewable Energy Research Center – Kirkuk seeks to enhance the university's role locally and internationally in the fields of energy storage and nanotechnology. This department takes an important role as a basis of knowledge in this field, making an effort to innovate and develop these essential areas of modern technology.



At the Renewable Energy Research Center, we endeavor to provide a fertile and advanced research environment that fosters creativity and discovery. The department aims to provide outstanding research leadership that contributes to raising awareness and knowledge about the importance of nanotechnology and its broad dimensions in the field of energy storage.

Additionally, the department places great emphasis on building specialized human capacities in the field of nanotechnology, through offering advanced educational programs and high-quality practical training in collaboration with specialized researchers from inside and outside Iraq. The department's efforts in nanotechnology and energy storage are integral to sustainable development. Through research and innovation, the department contributes to the development of sustainable and efficient solutions to energy and environmental challenges, and works to enhance international cooperation in this regard to achieve sustainable development goals and comprehensive prosperity.

Renewable Energy Department

The Renewable Energy Department at the Renewable Energy Research Center- Kirkuk focuses on the field of sustainable energy and researching various aspects related to it. The department conducts research on diverse topics including energy policies and strategies, renewable energy applications, development of integrated electric power systems, as well as studying energy management and enhancing its effective and sustainable use.





Additionally, the department works on exploring the economic and social dimensions of renewable energy, and how to integrate it into current energy systems in a sustainable and efficient manner.



The department aims to consolidate the efforts and individual experiences of researchers specializing in the field of energy, whether within or outside Northern Technical University, by providing a stimulating research environment and collaborative projects that contribute to the development of new concepts and innovative applications in the field of sustainable energy. Furthermore, the department is committed to providing consultations and guidance in the field of energy to various sectors, including governmental, industrial, and academic, with the aim of enhancing their understanding of the challenges and opportunities in the field of sustainable energy. One of the department's objectives is also to provide high-quality scientific research that contributes to the development of knowledge and progress in the field of sustainable energy. The department also invests in utilizing this research in teaching and guiding students who seek to complete their academic degrees in the fields of energy and environment, whether they are master's or doctoral students, with the aim of preparing a new generation of researchers and specialists in this vital field.

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



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. Alyas Abbas Ali Al-Attar, President of Northern Technical University

Conference Co-Chairs | Asst. Prof. Dr. Omar B. 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>

PUBLICATION OPPORTUNITIES

*Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.
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



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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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AND SCIENTIFIC RESEARCH

PROF. DR. NABEEL KADIM ABID AL-SAHIB

SUPERVISED BY

THE PRESIDENT OF THE
NORTHERN TECHNICAL UNIVERSITY

PROF. DR. ALYAA ABBAS AL-ATTAR

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CONFERENCE TOPICS

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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