



 21 - 22
January

 **University of Hafr Al Batin**
Kingdom of Saudi Arabia

SUSTAINABLE ENERGY AND EMPOWERING THE FUTURE CONFERENCE 2026

Green Ambitions | Innovative Solutions

“My primary goal is for our country to be a successful and leading model in the world on all levels, and I will work with you to achieve that.”



KING OF SAUDI ARABIA
HIS MAJESTY KING SALMAN
BIN ABDULAZIZ AL SAUD



”

“We aim for renewable energy to represent 50% of our consumption by 2030”



CROWN PRINCE OF THE KINGDOM OF SAUDI ARABIA.
HIS ROYAL HIGHNESS PRINCE MOHAMMED
BIN SALMAN BIN ABDULAZIZ AL SAUD,





UNDER THE GENEROUS PATRONAGE OF
HRH PRINCE SAUD BIN NAYEF BIN ABDULAZIZ SAUD
Prince of the Eastern Province

MESSAGE FROM **PRESIDENT** OF THE UNIVERSITY OF HAFR AL-BATIN

I am pleased to welcome you to this distinguished scientific event, where we gather to exchange ideas, discuss directions, and inspire pathways to enable a more sustainable future. The meeting of this elite group of researchers and specialists from various institutions represents a valuable opportunity to begin a rich scientific dialogue that contributes to shaping the future of energy and development. Today, sustainable energy is one of the main pillars that receive great attention from scientific and research institutions worldwide, given its direct impact on shaping the future of the economy, protecting the environment, and achieving balance between growth and development. From this standpoint, the **University of Hafr Al-Batin** is organizing the Conference on **Sustainable Energy and Empowering the Future**, to serve as a scientific platform of international character. It brings together a distinguished group of researchers, experts, and practitioners from inside and outside the Kingdom, within a scientific framework that presents the latest developments, stimulates the exchange of expertise, and provides solutions that support the transition toward clean energy and sustainable resources. This conference aligns with the national direction of Saudi Vision 2030, which emphasizes the importance of diversifying energy sources, fostering innovation, and employing modern technologies in building a prosperous and sustainable economy. It also reflects the commitment of the University of Hafr Al-Batin to playing an active role in supporting scientific research and directing it toward clear developmental priorities that contribute to developing policies and strategies related to energy and the environment. Through this conference, we aspire to empower research competencies and expand cooperation between universities, research centers, and different sectors, ensuring the benefit from diverse expertise and the investment of knowledge in achieving the desired transition toward sustainability. We ask Allah that this conference be a meaningful scientific contribution and a constructive step toward a promising future founded on knowledge and innovation.

Warm Regards,
Prof. Dr. Khalid bin Bani Al-Harbi
President of the University of Hafr Al-Batin



MESSAGE FROM CONFERENCE CHAIRMAN

It gives me great pleasure to welcome all participants to the international scientific conference **Sustainable Energy and Empowering the Future**, which brings together a distinguished group of minds and talents from various disciplines and countries, on a scientific platform dedicated to constructive dialogue and exchange of expertise, with the goal of reaching sustainable scientific solutions that establish long-term cooperation extending into the future. This conference is convened within a national and global context that is rapidly moving toward adopting sustainable solutions in energy production and consumption, and leveraging innovation and technology to build systems that are more efficient and resilient, thereby contributing to addressing environmental and economic challenges and enhancing the sustainability of resources. We are delighted that this conference gathers leading researchers and specialists from within and outside the Kingdom, reinforcing its position as an international platform for scientific dialogue and knowledge exchange in the fields of energy and sustainable development. The conference also sheds light on carefully selected themes, such as renewable energy and its efficiency, smart technologies, green hydrogen, the circular economy, as well as education and scientific research—among other areas that have become vital pillars for the future of energy. Through this conference, the University reaffirms its commitment to supporting applied knowledge, promoting a culture of innovation, and creating a research environment that inspires creativity, scientific excellence, and institutional collaboration. The conference also represents an opportunity to highlight the role of universities in leading developmental transformation and contributing to the achievement of national goals in the fields of energy and sustainability. We hope this conference will serve as a launchpad for more pioneering research, distinguished partnerships, and initiatives that contribute to shaping a more sustainable and prosperous future.

Warm Regards,
Dr. Bader Jaman Alshahri
Vice Rector for Graduate Studies and Scientific Research



MESSAGE FROM CONFERENCE DIRECTOR

From the heart of the **University of Hafr Al-Batin**, where knowledge meets the spirit of innovation, we are proud to organize the conference **Sustainable Energy and Empowering the Future**, which brings together our academic aspirations with our openness to the world. Here, researchers, experts, and decision-makers from various continents meet to exchange visions and create solutions whose impact transcends the boundaries of place and time. This conference comes as an extension of the university's commitment to its mission of supporting scientific research and its keenness to contribute to achieving the Kingdom of Saudi Arabia's Vision 2030, which places sustainability and innovation at the core of its journey towards a diversified and prosperous economy. We have carefully designed the themes of this conference to serve as a bridge between theoretical sciences and practical applications, and between local efforts and international cooperation; covering diverse topics from renewable energy, its efficiency and storage, to the circular economy and green hydrogen, and finally to education and scientific research as key tools in achieving sustainable development. In conclusion, we welcome you and invite you to joint action—to shape a green future that we all share, and present it as a legacy for future generations.

Warm Regards,
Dr. Dalal bint Ayed Al-Shammari
Conference Director



INTRODUCTION

Renewable and sustainable energy are among the key solutions to address the pressing environmental and economic challenges facing the world today. They play a vital role in conserving natural resources, reducing harmful emissions, and mitigating the impacts of climate change. Recognizing this global imperative, Hafr Al-Batin University is pleased to organize the conference titled **Sustainable Energy and Empowering the Future**. This conference will provide a platform for researchers, industry experts, policymakers, and stakeholders to share ideas on the latest advancements and innovations in sustainable energy. The goal is to enhance scientific research, encourage innovation, and support sustainable development efforts at both the local and national levels. These objectives closely align with the goals of the Saudi Vision 2030, which emphasizes sustainability, diversification of energy sources, and creating a prosperous and sustainable economic future.

OUR MISSION

To enhance the role of scientific research and innovation in renewable energy and sustainable development, we must support and accelerate a seamless transition to clean and sustainable energy solutions. This shift will empower future generations and tackle global sustainability challenges.

OUR VISION

To position the conference as a top scientific platform that promotes research and innovation in sustainable energy, we aim to support the transition to a greener economy. This vision aligns with the Sustainable Development Goals (SDGs) and supports Saudi Arabia's Vision 2030.

CONFERENCE OBJECTIVES



To encourage the advancement of scientific research and innovation in sustainable energy.



To bridge the gap between theory and practice using practical scientific solutions.



To foster collaboration among universities, research centers, policymakers and industry.



To empower young scientists and create a supportive atmosphere for research excellence and professional growth.



To support the development of environmental and developmental policies that are based on scientific research.



To facilitate the transfer and localization of sustainable technologies that can sustain the community and enhance its future capabilities.

ORGANIZING COMMITTEE



Dr. Bader Alshahri
Conference Chairman

Dr. Dalal Alshammari
Conference Director



Dr. Yahya Alharthi
Chairman of the
Scientific Committee

MEMBERS OF THE ORGANIZING COMMITTEE



Dr. Nimer Alsabeelah
Vice Chairman of the
Organizing Committee



Dr. Fawaz Alharbi
Dean of the
Faculty of Engineering



Dr. Safer Almutairi
Dean of the
Faculty of Science



Dr. Ibrahim Alzahrani
Dean of E-Learning and
Digital Transformation



Dr. Nasser Almajmaj
General Supervisor of
Corporate Communication



Eng. Fahad S Jery
CEO for operations and
manufacturing, ANFA



Dr. Muath Alkadi
Member



Dr. Nujud Badawi
Member



Mr. Atif Alanazi
Financial Administration
Representative



Mr. Abdullah Almutairi
Director of Operations
and Maintenance



Mr. Sami Alanazi
Director of the General
Department of University

MEMBERS OF THE SCIENTIFIC COMMITTEE



Dr. Yahya Alharthi

Chairman of the Scientific Committee
Associate Professor in Electrical and Computer Engineering,
Department of Electrical Engineering



Dr. Dalal Al Shammari

Assistant Professor in
Materials Engineering



Prof. Housseem Boucekara

Full Professor in
Electrical Engineering



Dr. Amira Alazmi

Associate professor in
Chemical Sciences



Dr. Sami Ibn Shamsah

Associate Professor in
Mechanical Engineering



Dr. Miloud Souiyah

Associate Professor in
Materials Engineering



Dr. Khaled Al Sodani

Associate Professor in Structural
Engineering and Materials

MEMBERS OF THE SCIENTIFIC COMMITTEE



Dr. Mohammad Shoib

Associate Professor in
Electrical Engineering



Dr. Yusuf Shaaban

Associate Professor in
Electrical Engineering



Dr. Iftikhar Ul Hasan

Assistant Professor
in Physics



Dr. Maryam El Marouani

Assistant Professor in
Physical-Chemistry



Dr. Amal Alanazi

Assistant Professor in
Analytical Chemistry



Dr. Abdulgafar Alfares

Assistant Professor in
Electrical Engineering

CALL FOR ABSTRACTS

ABSTRACT SUBMISSION DEADLINE

30 SEPTEMBER 2025

Click here to submit your abstract 

All accepted articles will be published in the Scopus/Web of Science indexed Journals subject to the journals' peer review process and APC.



OR SCAN IT! 

CONFERENCE THEMES

Renewable energy sources and their applications

To enhance the role of scientific research and innovation in renewable energy and sustainable development, we must support and accelerate a seamless transition to clean and sustainable energy solutions. This shift will empower future generations and tackle global sustainability challenges.



Energy efficiency and storage solutions

This theme focuses on methods to improve energy consumption efficiency and storage technologies in general to enhance reliability and flexibility in renewable energy systems.

CONFERENCE THEMES



Smart grids and digital transformation in the renewable energy sector

This theme emphasizes the development of smart energy infrastructure and the role of digital technologies, artificial intelligence (AI), and the Internet of Things (IoT) in optimizing the management, control, and distribution of renewable energy.

Hydrogen as a Sustainable Energy Carrier

The focus of this theme is on the potential of green hydrogen, production methods, storage, transportation, and its role in reducing carbon emissions and achieving climate neutrality targets.



Climate change mitigation and carbon emissions reduction

This addresses the environmental impacts associated with conventional energy usage, strategies and technologies for reducing emissions, and adaptive measures against climate change following international climate agreements and policies.

CONFERENCE THEMES



Circular economy practices in the energy sector

This theme examines the best practices to enhance resource efficiency in the energy sector through the adoption of circular economy practices, including recycling and waste reduction, which contribute to lowering carbon emissions and achieving long-term environmental and economic sustainability.

Regional electricity interconnection and integration of energy sources

This theme addresses the opportunities for electricity interconnection among countries and regions, exploring technical opportunities, policy frameworks, and regulatory challenges to achieve integration among various renewable energy sources to ensure energy security and stability.



Education and scientific research in the fields of energy and sustainable development

This theme highlights the role of education, capacity building, and scientific research in achieving sustainable development, especially in the energy sector, focusing on the necessary knowledge and skills to address energy-related challenges and foster sustainable development.



IMPORTANT DATES

ABSTRACT SUBMISSION DEADLINE

10 OCT 2025

ABSTRACT REVIEW PERIOD

01 OCT - 23 OCT 2025

ABSTRACT ACCEPTANCE NOTIFICATIONS

05 NOV 2025

EMAIL NOTIFICATIONS OF FINAL
PROGRAM PARTICIPANTS

10 DEC 2025

LATE REGISTRATION

15 DEC 2025

FULL MANUSCRIPT SUBMISSION DUE

25 DEC 2025

KEYNOTE SPEAKERS



Prof. Essam A. Al-Ammar

Professor of Electrical Energy
King Saud University

Prof. John Zhanhu Guo

Professor of Mechanical and Construction Engineering
Northumbria University - UK



Dr. Mohammed Al Surf

Green Building Expert, International Ambassador for
Sustainability



Prof. Ahmed S. Alfatesh

Professor of Chemical Engineering
King Saud University





Prof. Kuen-Song Lin

Distinguished Professor of Chemical Engineering and
Materials Science

Yuan Ze University - Taiwan



Prof. Zeinhom El-Bahy

Professor of Materials Science and Catalysis

Al Azhar University - Egypt



Prof. Xingtao XU

Professor of Materials Science

Zhejiang Ocean University - China



Prof. Basheer Alshammari

Senior researcher,

Institute of Advanced Materials Technology

King Abdulaziz City for Science and Technology



Prof. Ahmed Osman

Senior Lecturer in Energy Engineering, Catalytic Materials
and Sustainability

University of Canterbury - UK



Dr. Mohammed Alghassab

Associate Professor in Electrical and Computer Engineering,
Shaqra University



Prof. Hanan Atia

Research Scientist of chemistry Sciences
Leibniz Institute for Catalysis, Germany



Dr. Eman Alhajji

Founder and CEO
**Golden Ratio Institute for Research,
Development, and Innovation**



Dr. Salwa Alreshaidan

Associate Professor of Physical Chemistry - Catalysis
King Saud University



Dr. Saba Aladeemy

Assistant Professor of Physical Chemistry
(Electrochemistry)
Prince Sattam bin Abdulaziz University



Dr. Rawesh Kumar

Assistant Professor of Catalytic Material
Patna University, India



Dr. Ahmed Aidid

Research Scientist of Chemical Engineering
King Saud University



Dr. Yahya Alharthi

Associate Professor in Electrical and Computer Engineering
University of Hafr Al Batin



Eng. Fahad S. Jery

CEO for operation and manufacturing
ANFA



Dr. Mohammad Shoaib

Associate Professor in Electrical Engineering
University of Hafr Al Batin

SPONSORSHIP PACKAGES

Benefits / Packages	DIAMOND ﷲ 200,000	PLATINUM ﷲ 150,000	GOLD ﷲ 125,000	SILVER ﷲ 100,000	TECHNOLOGY ﷲ 75,000	NETWORKING ﷲ 50,000
Company name & logo displayed in publicity materials	Yes	Yes	Yes	Yes	Yes	Yes
Company will be honored by the conference patron	Yes	Yes	Yes	Yes	Yes	Yes
FREE exhibition stand	30 m ²	24 m ²	18 m ²	15 m ²	10 m ²	8 m ²
Free delegates	10	7	5	3	3	3
Free advertisement in the exhibition guide	2 pages	2 pages	1 page	1 page	1/2 page	1/2 page
Company logo will appear on the exhibition guide cover	Yes	Yes	Yes	Yes	Yes	Yes
Company logo in conference hall	Yes	Yes	Yes	Yes	Logo in Tech Spotlight	Logo in Networking Area
Company logo in conference website	Yes	Yes	Yes	Yes	Yes	Yes

Success Partner - ﷲ 15,000

- The Success Partner's logo will be prominently displayed on the official conference website and in selected digital publications.
- The Success Partner is entitled to a 50% discount on the rental fee for an exhibition stand at the conference.
- An official Certificate of Appreciation will be presented to the Success Partner by the Conference Director.

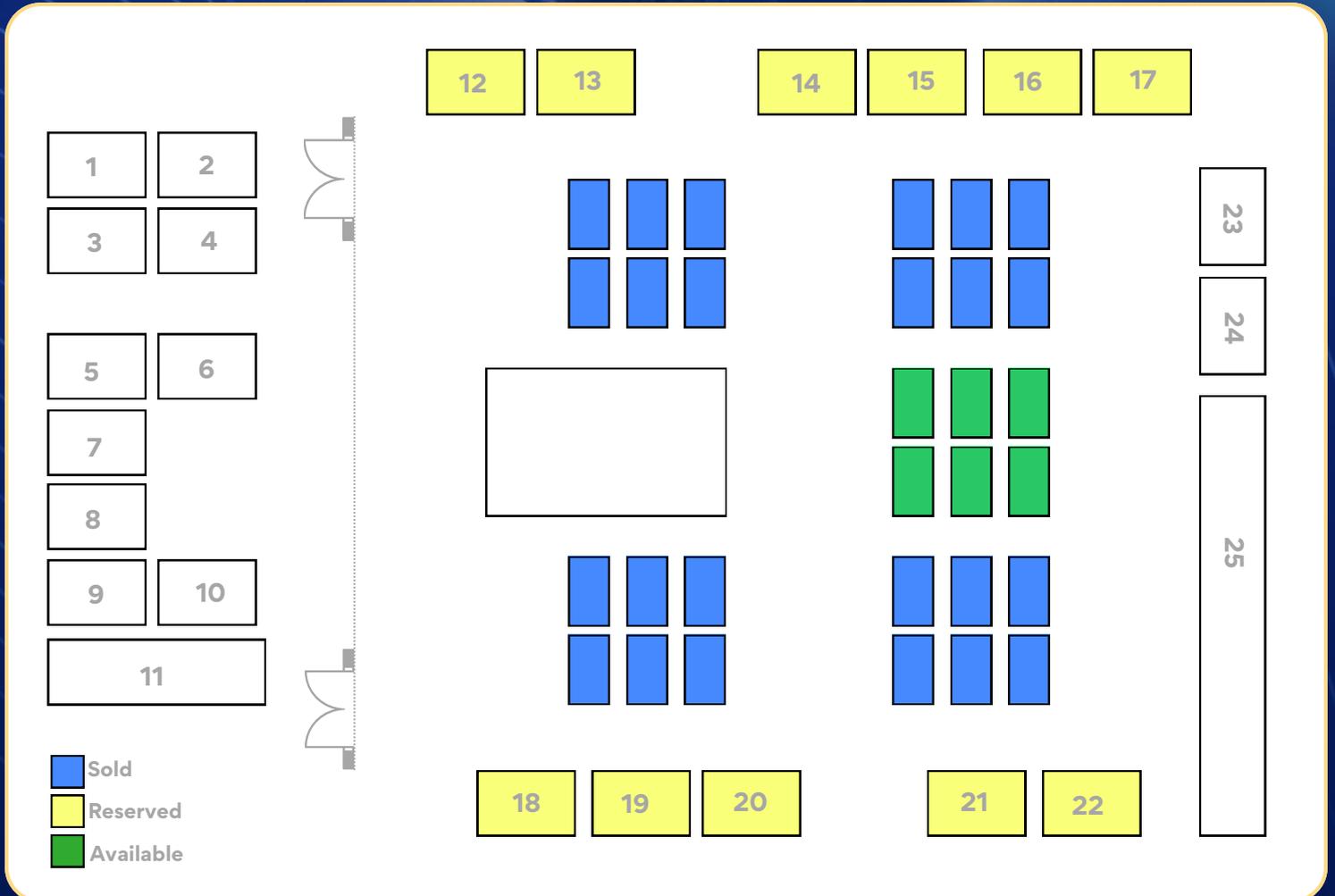
FURNISHED BOOTHS

1 X 3 M BOOTH

₹ 20,000

1 X 4 M BOOTH

₹ 27,000



GREEN AMBITIONS INNOVATIVE SOLUTIONS

PARTNERS



Strategic
Knowledge Partner

Engineered Science Publisher
Scientific Partner

We welcome your communication via;



seef.conference@uhb.edu.sa



+966 55 733 9995



seef.conference@uhb.edu.sa