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NATIONAL TRAVEL OPERATOR



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**OMAN
CLIMATE
WEEK**

أسبوع عُمان للمناخ

OMAN CLIMATE WEEK 2026

Renewable Energy and Climate Change Conference

📍 Oman Convention & Exhibition
Center

📅 14-16 September 2026



RENEWABLE ENERGY AND CLIMATE CHANGE CONFERENCE
RECC 2026

14-16 SEPT 2026 MUSCAT, SULTANATE OF OMAN

Conference Leadership



Prof. Hind Barghash
Associate Professor
German University of Technology in Oman (GUTech)



Dr. Morteza Mohammadzaheri
Associate Professor and Head of the Engineering Department
German University of Technology in Oman (GUTech)



Keynote Speakers



Prof. Rory Monaghan
Professor in Energy Systems Engineering and Head of Mechanical Engineering
University of Galway, Ireland



Dr. Coorous Mohtadi
Manager of MathWorks Technical Specialist teams
Northern & Southern Europe, Middle East and North Africa



Prof. Alireza Maheri
Personal Chair
School of Engineering, University of Aberdeen



DAY 1

08:00 - 09:00	Registration and Networking
09:00 - 09:15	Opening Ceremony 10' National Anthem Qur'an Recitation MC Welcome Notes  Khalid Al Salami Media Personality Opening Show
09:15 - 09:45	Keynote Speeches 5' Welcome Speech  HE. Dr. Abdullah Al Amri President Environment Authority  5' OCW video 5' Recorded Speech  H.E. Jasem Mohamed AlBudaiwi Secretary-General Gulf Cooperation Council (GCC)  5' Keynote Speech  H.E. Mukhtar Babayev Representative of the President of the Republic of Azerbaijan for Climate Issues  5' Keynote Speech  Dr. Roberta Boscolo Climate & Energy Leader, WMO  10' Keynote Speech  Muhammad Taimur Ali Khan Gandapur Mitigation division Manager UNFCCC  United Nations Climate Change
09:45 - 09:50	Launch of «Green Branch Award»
09:50 - 09:55	MOU Signing
09:55 - 10:00	Keynotes Appreciation
10:00 - 10:05	Sponsor Appreciation
10:05 - 10:10	Exhibition Tour

RECC STAGE

Keynote Speech

Lunch Break and Networking

Hema Energy

THEME 1: CLIMATE CHANGE IMPACTS AND RESILIENCE

ROOM 8

12:00 - 1:00 PM

Keynote Speech

1:00 - 2:00 PM

Lunch Break and Networking

2:00 - 2:20 PM

Presentation Title:

Mineral Carbonation of Iron Slag for Carbon Dioxide Capture

Razan Albalushi

German University of Technology
in Oman (GUtech)

2:20 - 2:40 PM

Presentation Title:

Performance Evaluation of Recycled HDPE-Stone Dust Composites for Plastic Brick Applications

Hamed AL Kharusi

German University of
Technology in Oman

2:40 - 3:00 PM

Presentation Title:

Circular Manufacturing for Industrial Decarbonization: A Materials-Process-Waste Engineering Framework for Oman and GCC Industries

Prof Dr Sayyad Zahid Qamar

Sultan Qaboos University

3:00 - 3:20 PM

Presentation Title:

Process and Characterization of Recycled Plastic-Sand Composite Paving Slabs in Sustainable Construction of Infrastructure.

Shahd Alrumhi

German University of
Technology in Oman (GUtech)

3:20 - 3:40 PM

Presentation Title:

Manufacturing of Plastic Paver Blocks for Sustainable Pavement Applications Using Recycled HDPE Waste

NOOR Al-Mashaykhi

German University of
Technology in OMAN

3:40 - 4:00 PM

Presentation Title:

Quality, Safety, and Performance Tests of Recycled Plastic Blocks

Tasnim Al-Kindi

German University of
Technology in Oman

4:00 - 4:20 PM

Presentation Title:

optimization of recycled high-density polyethylene (HDPE) composites for sustainable and energy-efficient building applications

Shahad Al Marboui

German University of
Technology in Oman

4:20 - 4:40 PM

Presentation Title:

Circular Use of Fly Ash and Waste Marble Powder for Further Clinker Reduction in LC3: Strength Retention and Climate-Mitigation Potential Using an I-Optimal Custom Mixture Design

Sura Mohammed

Istanbul Technical University

ROOM 9

Keynote Speech

Lunch Break and Networking

NEDC

Sultan Qaboos University

University of Aberdeen

Northern Technical
University, Iraq

Squ

University of technology and
applied sciences

Birmingham City University

German University of
technology in Oman

THEME 3: GREEN HYDROGEN AND LOW-CARBON FUELS

ROOM 10

12:00 - 1:00 PM

Keynote Speech

1:00 - 2:00 PM

Lunch Break and Networking

2:20 - 2:40 PM

Presentation Title:
Environmental and Economic Assessment of Treated Effluent-to-Hydrogen Pathways with Solar Integration

Zuhoor AlRashdi
German University of Technology in Oman

2:40 - 3:00 PM

Presentation Title:
Exploring the Potential of Desalination Brine as a Feedstock for Green Hydrogen Production via Electrolysis in Oman

Ali Al-Humairi
GUtech

3:00 - 3:20 PM

Presentation Title:
Size and Configuration Optimization of Multi-vector Energy System for Green Hydrogen Production and Power Grid Decarbonization Under Uncertainty

MOHAMMED AL THANI
University of Aberdeen

3:20 - 3:40 PM

Presentation Title:
Optimal Site Selection of Wind-Powered Green Hydrogen Production in Arid Regions: The Case of Thumrait, Oman

Mohamad Ibraheem
Sultan Qaboos University

3:40 - 4:00 PM

Presentation Title:
Floating PV powered seawater purification using the RO process and powering electrolyser for green hydrogen production in Oman

Saada Al Zakwani
University of Exeter

4:00 - 4:20 PM

Presentation Title:
Thermal Integration of Solid Oxide Electrolysis with Concentrated Solar Power and Internal Heat Recovery for Green Hydrogen Production

Najah M. AL Mhanna
German University of technology in Oman

4:20 - 4:40 PM

Presentation Title:
Integrated Solar Updraft Towers for Simultaneous Elec-tricity Generation, Atmospheric Water Harvesting, and Green Hydrogen Production on Omani Coastal Cliffs

Navid Nasiri
Sultan Qaboos University

ROOM 11

Keynote Speech

Lunch Break and Networking

British School Muscat



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DAY 2 SEPTEMBER 15

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📅 14-16 September 2026



RECC STAGE

Keynote Speech

Lunch Break and Networking

RECC STAGE

Keynote Speech

Navid Nasiri
Sultan Qaboos University

THEME 3: GREEN HYDROGEN AND LOW-CARBON FUELS

ROOM 10

9:00 - 10:00 AM

Keynote Speech
(RECC Stage)

10:00 - 10:20 PM Presentation Title: Metal-Organic Frameworks for Hydrogen Storage GHOLAMREZA VAKILINEJAD Sultan Qaboos University	10:20 - 10:40 PM Presentation Title: Social Life Cycle Assessment of Hydrogen Production from Wastewater: A Case Study of Al-Ansab STP Using OpenLCA Maryam Waleed Al Uraimi German University Of Technology In Oman (GUTech)	10:40 - 11:00 PM Presentation Title: A life cycle Assessment of hydrogen production using treated wastewater case study in oman Baraah Al-alawi German university of technology in Oman	11:00 - 11:20 PM Presentation Title: Waste-to-Hydrogen Pathways for Oman’s National Hydrogen Strategy: A Multi-Dimensional Critical Review with a Deployment Roadmap for Industrial Clusters Zakariya Al Lawati Independent Researcher	11:20 - 11:40 PM Presentation Title: Green Hydrogen Pipeline Pressure Buffer Najah M. AL Mhanna German University of technology in Oman
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12:00 - 2:00 PM

Lunch Break and Networking

ROOM 11

Keynote Speech (RECC Stage)

Lunch Break and Networking



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DAY 3 SEPTEMBER 16

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📅 14-16 September 2026



THEME 3: GREEN HYDROGEN AND LOW-CARBON FUELS

RECC STAGE

2:00 - 2:00 PM

Renewable Energy and Climate Change Panel Discussion

3:00 - 3:20 PM

Presentation Title:

Contribution Optimization Of Green Hydrogen Electrolyser Plant Efficiency And Required Power Quality Solution

Helton Henrique Bezerra

Maschinenfabrik Reinhausen
GmbH

3:20 - 3:40 PM

Presentation Title:

Carbon Footprint and Environmental Risks of ICT Adoption in Oman's Telecom Sector: Assessing Current Impact and Future Sustainability

Neetu kwatra

University of Technology and Applied
Sciences -Al mussanah

3:40 - 4:00 PM

Presentation Title:

Contribution of Carbon Capture Technologies to Net-Zero Targets under Article 6 of the Paris: Comparative International Case Studies and Implications for Oman

Almuzn Alkindi

German University of Technology
in Oman

4:00 - 4:20 PM

Presentation Title:

Evaluating The Challenges and Impact of Industry 4.0 On Oman's Green Hydrogen Supply Chain

Meilinda Fitriani Nur Maghfiroh

Sultan Qaboos
University

4:20 - 4:40 PM

Presentation Title:

Sustainable Healthcare in AI Dhahira: Green Hospital Initiative through Electronic Lab Reporting

Badriya Al Alawi

Ibri Regional Hospital

4:40 - 5:00 PM

Presentation Title:

Policy Pathways for Oman's Energy Transition: Balancing Economic Diversification, Environmental Sustainability, and Energy Security

Hajer Jomaa

University of Miskolc

5:00 - 5:20 PM

Presentation Title:

Engineering Design Framework for Integrating Alternative Fuels in Maritime Vessels: Enabling Oman's Green Hydrogen Export Strategy and Regional Maritime Decarbonisation

Aisha AlAsmakh

HBKU

ROOM 13 & 14

Renewable Energy and Climate Change Panel Discussion (RECC Stage)

MINISTRY OF EDUCATION

IBN Firnas Academy

SQU

Muscat University

GUtech

Angelo Climate and Sustainability
Advisory

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with Confidence

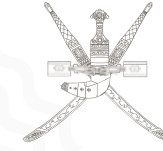


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German University of Technology in Oman



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14 16 2026

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