



In the presence of

H.E. Shaikh Khalid bin Abdulla Al Khalifa  
Deputy Prime Minister  
Kingdom of Bahrain



# 26<sup>th</sup> GULF ENGINEERING FORUM

## ENERGY MANAGEMENT

CONFERENCE & EXHIBITION 2025

“Energy Transition  
Challenges”

11 - 13 FEBRUARY 2025

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## ◆ Introduction

As we move forward into the Energy transition, we are faced with a number of concerns regarding the safety and sustainability of our energy sources. Fossil fuels continue to dominate the world's energy market, leaving us lacking in low-carbon, safe, and cheap alternatives at a large scale. This creates two major energy problems: the first being the direct link between energy access and greenhouse gas emissions, which is a crisis that has gained significant public attention. The second energy problem, however, is just as pressing. Hundreds of millions of people still lack access to sufficient energy, which is leading to both environmental and social consequences. As we work toward climate action in this decisive decade, it is important that we unite on bold, practical, and ambitious solutions to tackle these challenges. In regions such as ours, which experience extreme heat and scarce water resources, climate change is a particularly urgent challenge that must be addressed. Our region has a long history of leadership in energy and sustainability sectors, providing diversified economic opportunities and practical solutions for global problems. It is through events like this prestigious conference that we hope to mitigate the adverse effects of climatic change on nature, land use, and ocean resources.

While climate change remains at the forefront of public discussion on energy, it is the production of energy itself that

is responsible for more than 80% of global greenhouse gas emissions. This means that we must take a holistic approach that addresses not only our energy sources, but also our land use and ecosystem management. It is also crucial that we engage in global partnerships to drive investments, technologies, and policies that can collectively achieve net-zero, nature-positive, and resilient systems. With the recent adoption of the 30x30 biodiversity goal, we have an enhanced opportunity to strengthen policy and investment around nature and ecosystem-based solutions, while also sustaining natural carbon sinks and biodiversity hotspots in our region. We anticipate an impressive lineup of speakers who will address various aspects of the challenges facing the energy transition. From policymakers to leading industry players and academics, our speakers will bring a wealth of experience and insights to the table. They will share their perspectives on how to navigate the complexities of the energy transition and discuss innovative solutions that can accelerate the shift to sustainable energy.

We invite you to join us in the Kingdom of Bahrain for this prestigious event. Together, we can drive pathways towards a more realistic energy transition better future and a better world.

## Message



**Dr. Raida Al-Alawi**  
President  
Bahrain Society of Engineers

On behalf of the Bahrain Society of Engineers and the Gulf Engineering Union, I am pleased to welcome you to the 26th Gulf Engineering Forum, which is honored by the presence of His Excellency Sheikh Khalid bin Abdullah Al Khalifa, Deputy Prime Minister. This forum is highlighted by the Energy Management Conference and Exhibition, which focuses on the important topic of “Energy transition challenges”

This conference focuses on the fundamental transformations facing the GCC countries in the energy sector. We are fully aware that fossil fuels have been a major driver of our economic growth, but our pursuit of a sustainable future requires a transition to environmentally friendly renewable energy sources. This energy transition journey requires us to find the right balance between energy security and sustainability. We realize that this balance represents a shared responsibility that falls on all of us. We must strive to promote sustainable economic growth, adhere to our environmental responsibility, while ensuring reliable and safe energy supplies. To navigate the complexities of the energy transition, we must actively pursue innovative solutions and collaborative efforts in adopting renewable sources, developing efficient infrastructure, and ensuring a smooth industrial transition.

The 26th Gulf Engineering Forum represents a vital platform for knowledge exchange, cooperation and innovation. It brings together an elite group of engineers, industry leaders and policy makers from the Gulf region and beyond, to engage in a serious dialogue about the complex challenges and broad opportunities facing us on our journey towards sustainable energy.

## Message



**Eng. A. Majeed Al Qassab**  
Conference Chairman

I am delighted to welcome each of you to the upcoming Energy Management Conference & EXPO, themed “Energy Transition Challenges,” scheduled for 11 – 13 February 2025. This remarkable event, graced by the esteemed presence of H.E. Shaikh Khalid bin Abdulla Al Khalifa, Deputy Prime Minister of the Kingdom of Bahrain, is dedicated to addressing the pressing issues of global warming and the complexities surrounding the energy transition.

The global energy landscape is currently grappling with two significant challenges: the prevalence of greenhouse gas emissions from traditional energy production and the lack of access to energy for millions worldwide. To tackle these challenges head-on, energy transition initiatives are pushing for a shift towards sustainable and renewable energy sources, while effectively managing hydrocarbons - the cornerstone of our current energy framework.

The upcoming conference will explore essential aspects of managing hydrocarbons and highlight the significance of implementing effective energy management practices. This includes reducing usage and embracing cleaner technologies to minimize environmental impact while achieving the Sustainable Development Goals (SDGs) and operational efficiency. Ensuring long-term sustainability in energy management is paramount, requiring a delicate balance between meeting global energy demands and mitigating environmental concerns and legislations. Consumer expectations play a crucial role in shaping energy transition strategies, demanding minimal disruption to daily lives and energy supplies. Addressing these expectations and aligning them with a realistic transition plan is imperative for success. In summary, responsible management of hydrocarbons is indispensable for forging a cleaner, more sustainable energy landscape. The transition plan must navigate the fine line between aspiration and pragmatism, emphasizing the urgency for a well-defined affordable strategy to realize a sustainable future energy.



## Advisory Board

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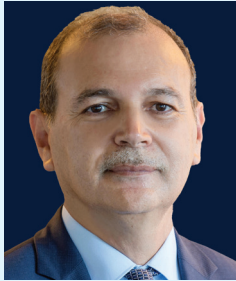


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## Keynote **Speaker**



**Dr. Kamel Ben Naceur**  
Chairman - DAMORPHE  
CEO - Nomadia Energy,  
Abdu Dhabi

**REALISTIC DECARBONIZATION OPTIONS  
FOR THE ENERGY SECTOR**

Kamel Ben-Naceur is the CEO for Nomadia Energy Consulting, based in Abu Dhabi, and the Chairman of Houston-based DAMORPHE. He was previously the 2022 President of the SPE (Society of Petroleum Engineers), and the Chief Economist for Abu Dhabi National Oil Company (ADNOC). Prior to that, he was the Director for Sustainability, Technology and Outlooks at the International Energy Agency. In 2014, he was appointed Tunisia's Minister for Industry, Energy and Mines. From 1981 to 2013, he held key positions with Schlumberger, including Chief Economist and Technology President. His assignments with Schlumberger included France, USA, UK, Algeria, Venezuela, UAE, Egypt, Russia and Brazil. He has more than 40 years of experience and knowledge in the energy and industry sectors around the world in both public and private service and is the (co-)author of 19 books and over 170 publications. He has received several SPE/AIME Awards, including the Distinguished Member, the Distinguished Service, AIME Charles Rand Gold Memorial, and the Sustainability and Stewardship in the Oil and Gas Industry Award, and he was a SPE Distinguished Lecturer. He is a graduate from Ecole Polytechnique (Paris) and Ecole Normale Superieure (Paris).

## Keynote **Speaker**



**Prof. Mohan Kelkar**  
Professor,  
Petroleum Engineering,  
University of Tulsa

**ENERGY TRANSITION: LONG ROAD AHEAD**

Mohan Kelkar received his BS in Chemical Engineering from the University of Bombay, India and MS in Petroleum Engineering and PhD in Chemical Engineering from University of Pittsburgh. He is currently Chairman and Professor of Petroleum Engineering at the University of Tulsa. He has published more than 70 refereed papers and has made more than 250 technical presentations at various organizations and meetings. He has co-authored three books. He has received numerous awards for his teaching and technical contributions. He received "Outstanding Teacher Award" from the University of Tulsa, "Outstanding International Faculty Award" from the Society of Petroleum Engineers (SPE), "Distinguished Service Award" for his service to SPE. He has been Distinguished Member and Distinguished Speaker for SPE.

Which quality standards must be met and what is the role of energy storage in the perspective of sector coupling?

The challenges and opportunities of integrating intermittent renewable energy sources into the grid.

Which financing schemes are being applied and what are viable innovative ways of funding?

The role of renewable energy in the transition to a low-carbon future



# CONFERENCE TOPICS



Challenges and solutions for decarbonizing industrial processes and reducing carbon emissions from heavy industry.

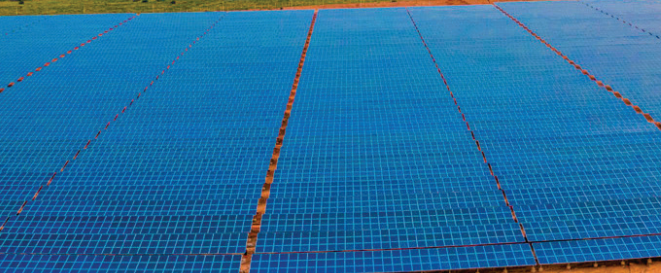


The impact of electrification on transportation systems and urban areas.

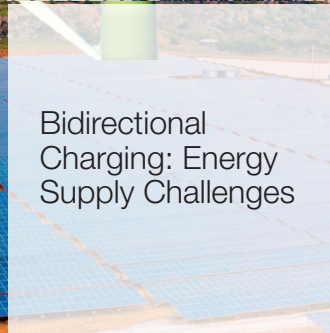


Addressing equity and social justice concerns in the transition to a clean energy economy.

Which players are defining industry best practice with transferable business models?



Bidirectional Charging: Energy Supply Challenges





Energy storage technologies and their role in enabling a reliable and resilient grid.

Electricity Networks: The Spine of the energy sector's decarbonization



How to speed up Energy Transition

Policy mechanisms for incentivizing clean energy development and adoption.

Clean Energy Projects: Investment Magnets and Innovation Drivers.

Bidirectional Charging: Energy Supply Challenges

What are the trends and innovations for hydrogen technology and power-to-gas?

Strategies for financing and scaling up clean energy projects at a national and international level.

Innovations in energy efficiency and their potential to reduce energy consumption and carbon emissions.

The power of digitalization to address system efficiency and net zero grid

Renewables expansion and supporting infrastructures for a net-zero energy system transition.



Where are the most promising markets for stationary and mobile energy storage?

The role of local communities in the energy transition and the importance of community engagement.

Green Energy Transition During The Unprecedented Energy Crisis: Is it time step back or move forward?

Charging Challenges for e-mobility

Six barriers impeding the energy transition and how to break them





## ❖ Call for Papers

We would like to invite experts and specialists to submit papers related to one of the main topics for presentation at the forum. A summary of approximately 400 words must be handed over before the final deadline for submission of summaries as described in the schedule. The papers will be published by the conference committee and will be distributed to the participants. The organizing committee requests all the concerned speakers to submit their complete and final papers on or before the dates specified in the opposite schedule. For further information, kindly contact

Conference Secretariat, Bahrain Society of Engineers,  
P.O. Box 835, Manama, Bahrain, Tel: +973 17810734  
Email: [conference.coordinator@bse.bh](mailto:conference.coordinator@bse.bh)

## IMPORTANT DATES

Abstract Submission  
**15 August 2024**

Notification of Abstract Acceptance  
**15 September 2024**

Presentation Submission  
**1 November 2024**

Notification of Presentation Acceptance  
**1 December 2024**

Final Presentation Submission  
**1 January 2025**

Conference Date  
**11-13 February 2025**



# Abstract Submission Form

## 26<sup>th</sup> Gulf Engineering Forum

11-13 February, 2025  
Gulf Hotel, Kingdom of Bahrain



Please complete in BLOCK letters.

Complete a separate form for each applicant.

Prof./Dr./ Mr./ Mrs./Miss:

Job Title:

Organization:

Department:

Address:

City:

Country:

Postal Code:

Telephone:

Fax:

Mobile:

Email:

I intend to present a paper and will submit a 400- word abstract inclusive of the title, objectives, authors names and related topic.

Proposed Title is:

Please email or fax this form along with the abstract to the following address:

**Conference Secretariat**, Bahrain Society of Engineers, P.O. Box 835, Manama, Kingdom of Bahrain Tel: +973 17810734 or  
email to : [conference.coordinator@bse.bh](mailto:conference.coordinator@bse.bh)



# Delegate Registration Form

## 26<sup>th</sup> Gulf Engineering Forum

11-13 February, 2025  
Gulf Hotel, Kingdom of Bahrain



Please complete in BLOCK letters.

Complete a separate form for each applicant.

Title (Dr. / Mr./Mrs./Miss) First Name: \_\_\_\_\_

Middle Name: \_\_\_\_\_

Family Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Department: \_\_\_\_\_

P.O. Box No: \_\_\_\_\_

Organisation: \_\_\_\_\_

City: \_\_\_\_\_

Country: \_\_\_\_\_

Telephone: \_\_\_\_\_

Mobile: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

### DELEGATE REGISTRATION FEES

Category	Full Registration
Speakers	Free
Delegates	<input type="checkbox"/> BD 250 <input type="checkbox"/> US\$ 670
*Students	<input type="checkbox"/> BD 60 <input type="checkbox"/> US\$ 160

Please Note:

- Acceptable payment includes Bahraini Dinars /USD
- Above registration fee includes full Conference package

(Opening ceremony, Forum pack with proceedings etc.  
Attendance of all Forum Technical Sessions, Lunch on Forum  
Days, Refreshments during breaks)

\*Students should provide proper identity

Method of Payment: Payment by one of the following must be included with the Registration Form:

- Please send invoice to the organisation mentioned above  
(attach authorisation)
- Enclosed a cheque/banker's draft payable to Bahrain Society of Engineers
- Bank Transfer - A/c No. 99065991, National Bank of Bahrain, Swift Code - NBOBBHBM
- Payment using Credit Card

Please debit to my credit Card

Select The Card Type's

Amex

Master Card

Visa

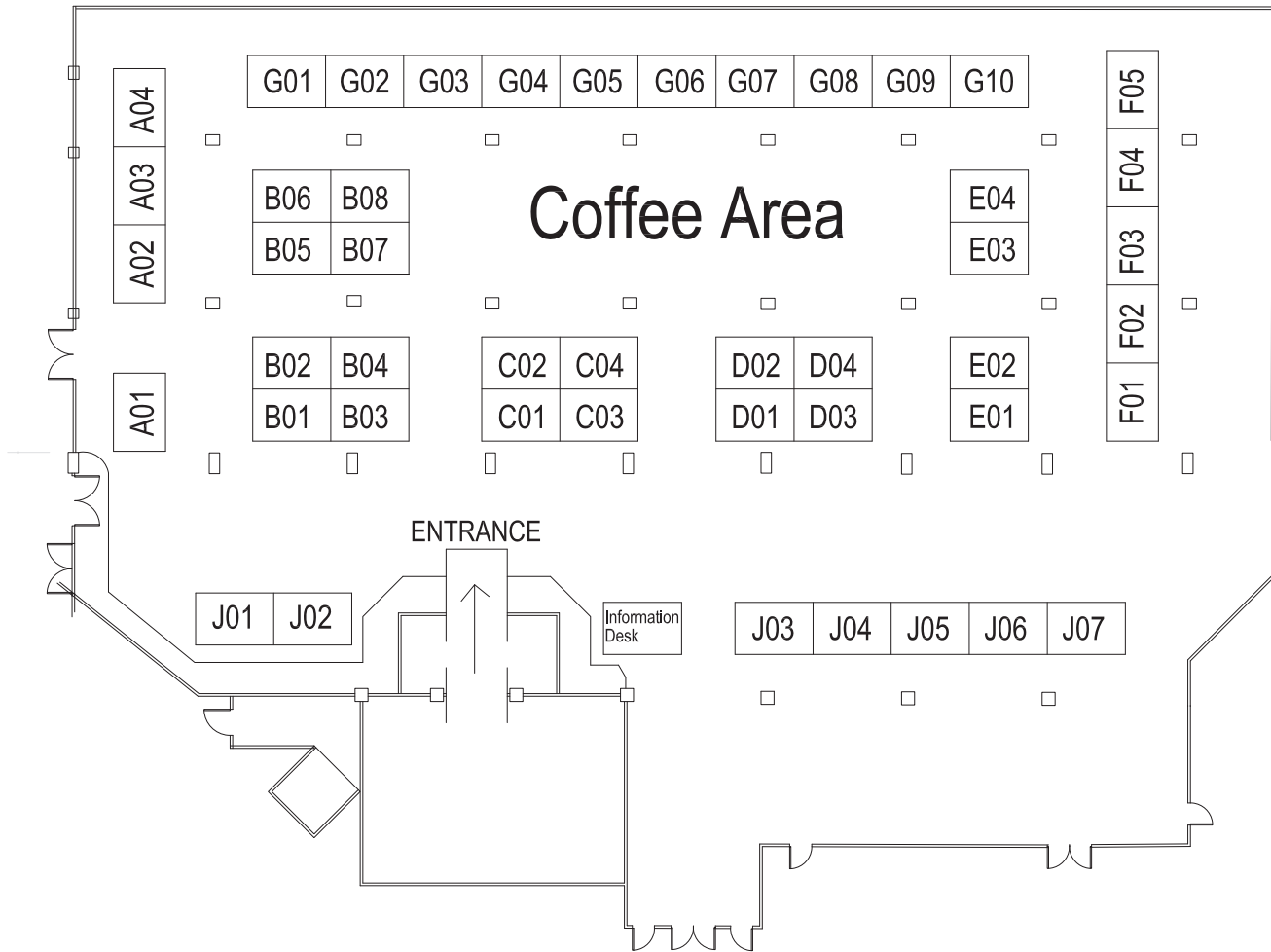
Please send this completed registration form along with appropriate fees to:

Bahrain Society of Engineers, P.O. Box 835, Manama, Bahrain

Tel: +973 17810734 Email: conference.coordinator@bse.bh



# Floor Plan



# Exhibition Stand Booking Form

## 26<sup>th</sup> Gulf Engineering Forum

11-13 February, 2025  
Gulf Hotel, Kingdom of Bahrain

To co-sponsor the Conference & Exhibition,  
please complete this form and email it to  
conference.coordinator@bse.bh  
to the attention of The Conference Secretariat,  
Energy Management Conference 2025



Company: \_\_\_\_\_

Name of Representative: \_\_\_\_\_ Position: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ Country: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Tel: \_\_\_\_\_ Mob: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Products or services to be displayed: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Select the desired stand options

Option A (Shell Scheme Package)

Participation fees: BD 600 or US\$1600 (per 6 sq.m)

No. of Stands Required

### Shell Scheme (Option A)

Participation includes:

White wall panels 2.4m height, Carpet Floor, 2 Tables with three chairs, two fluorescent lights, one 240 volt power socket.

Stand Nos.

Select desired stands from the exhibition stand layout

VAT Added

Option B (Stand Space Only (min 6 sq.m)

Participation fees: BD 80 or US\$ 215 (per sq.m)

Stand Nos.

Select desired stands from exhibition stand layout

### Space Only (Option B)

Participation does not include any stand construction except one 13 AMP power supply. (It is not permitted to use wall partitions of adjacent stands).

VAT Added

## Exhibition Information

A technical exhibition will be held in conjunction with the technical sessions within the conference venue. The exhibition is intended to provide an opportunity for equipment, materials and service providers to display and demonstrate their products and services related to Energy Management Technology.

Each exhibitor is entitled to the following benefits:

- 1) Exhibitors name will be published in the conference website.
- 2) A brief resume (8 - 10 lines) of each exhibitor will be included in the official exhibition guide, which will be circulated to all invited government officials, VIPs, visitors and participating delegates.
- 3) Wide publicity will be given in the Gulf region about the exhibition to attract regional and international industrial companies and Government officials to visit the exhibition booths during the conference period.
- 4) Each exhibitor is entitled to one full conference package (one person allowed to attend all the technical sessions free of charge during the 3 days conference period).

Note: All efforts will be made to accommodate your stand location request based on availability. Please forward your booking form to:  
The Conference Secretariat, Gulf Engineering Forum and Energy Management Conference & Exhibition 2025  
Bahrain Society of Engineers, P O Box 835, Manama, Kingdom of Bahrain.  
Tel: +973 17810734 Email: conference.coordinator@bse.bh

To fill in the eform please click the link: <https://geuforum.com>

## ❖ Sponsorship & Benefits

Companies are invited to become official sponsors for the conference and exhibition. The table below describes the different sponsorship levels and their corresponding benefits. Sponsorship will allow companies to promote their products and services to Energy Management 2025 audience and provide the opportunity to interact with other attending professionals.

Please use the sponsorship form to submit your sponsorship application. Detailed information regarding sponsorship may be obtained from the sponsorship coordinator. Contact: Tel: +973 17810734 Email: [conference.coordinator@bse.bh](mailto:conference.coordinator@bse.bh)

Benefits	Diamond BD 15,000 USD 40,000	Platinum BD 10,000 USD 26,700	Gold BD 5000 USD 13,500	Silver BD 3500 USD 9,350
Company name and logo of appropriate sizes will be published in all the conference publicity materials.	✓	✓	✓	✓
Entitled for free exhibition stand space with stand fittings at the exhibition hall.	24 Sq.M	18 Sq.M	12 Sq.M	6 Sq.M
Delegates from the sponsoring company may attend the conference with full package free of charge.	6 Delegates	4 Delegates	2 Delegates	1 Delegate
Publicity materials will be included in the conference pack.	✓	✓	✓	✓
Company name and logo will be published in the conference web site which shall be connected to the sponsor's web site.	✓	✓	✓	✓
Advertisement shall be provided in the exhibition guide free of cost.	2 Full Pages	1 Full Page	Half Page	Half Page
Company will be recognized with a special plaque for sponsorship	✓	✓	✓	✓
Executive officer will be treated as VIPs during the opening ceremony.	✓	✓	✓	✓
Company logo will be displayed in the conference hall along with the conference banner.	Large ✓	Medium ✓	Small ✓	Small ✓
Company logo will be displayed in the conference lobby.	✓	✓	✓	✓





# Sponsorship Form

## 26<sup>th</sup> Gulf Engineering Forum

11-13 February, 2025  
Gulf Hotel, Kingdom of Bahrain

To co-sponsor the Conference & Exhibition, please complete this form and email it to [conference.coordinator@bse.bh](mailto:conference.coordinator@bse.bh) to the attention of The Conference Secretariat, Energy Management Conference 2025



<input type="checkbox"/>	DIAMOND SPONSORS	BHD 15000.000	USD 40,000
<input type="checkbox"/>	PLATINUM SPONSORS	BHD 10,000.00	USD 26,700
<input type="checkbox"/>	GOLD SPONSORS	BHD 5,000.00	USD 13,500
<input type="checkbox"/>	SILVER SPONSORS	BHD 3,500.00	USD 9,350

VAT Added

Company Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ Country: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Company Seal \_\_\_\_\_

Banker's draft/ Cheque payable to The Bahrain Society of Engineers

By Bank Transfer - Bahrain Society of Engineers  
A/c No. 99065991, National Bank of Bahrain,  
Swift Code - NBOBBHBM,  
IBAN No. BH47-NBOB-0000-0099-0659-91  
VAT: 220000468700002

### For more information contact:

The Conference Secretariat, Gulf Engineering Forum and Energy Management Conference & Exhibition 2025  
Bahrain Society of Engineers, P O Box 835, Manama, Kingdom of Bahrain.  
Tel: +973 17810734 Email: [conference.coordinator@bse.bh](mailto:conference.coordinator@bse.bh)

Please contact us for the electronic sponsorship form.

\* The committee welcomes any suggestions and proposals to include new sponsorship categories to suit your requirement.

To fill in the eform please click the link: <https://geuforum.com>

## ❖ Conference & Venue

The conference and exhibition will be held at the Gulf Hotel, Kingdom of Bahrain. The Gulf Hotel is a five star facility and a landmark in Manama, just 10 minutes away from the Bahrain International Airport and 5 minutes from the City Centre. The Gulf Hotel offers 361 well-appointed rooms of gracious style, uncompromising efficiency and thoughtful technology. The Gulf Hotel offers exhibition areas, meeting lounges and pre-function areas with state-of-the-art facilities.

## ❖ Accommodation Information

Hotel accommodation has been reserved at the hotels near the conference venue at a special rate.

For special rates please visit our website  
<https://geuforum.com>



## About Bahrain

Bahrain, an archipelago of 33 islands, is rich in history and ancient civilizations, and is situated in the Arabian Gulf, off the east coast of Saudi Arabia. The country offers a fascinating blend of eastern and western cultures. The capital Manama is quite modern cosmopolitan city, which boasts world class restaurants, shopping centers, and tourist attractions. The climate is hot in summer and mild in winter. From November to April, the weather is very pleasant, with temperatures ranging from 15 to 24 degree centigrade. Arabic is the official language, but English is widely used by most businesses.



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