ENERGY OUTLOOK FOR NEW DECADE:

Globalization 4.0
NYU Abu Dhabi is pioneering a new model of higher education for a global world, dedicated at once to excellence in teaching and research and to advancing cooperation and progress on humanity’s shared challenges. Drawing on the strengths of the NYU global network, it offers an outstanding liberal arts and sciences education to undergraduate students from the United Arab Emirates, the United States, and around the world, with a distinctive focus on intercultural understanding and leadership. It supports innovative research and graduate education programs that push forward the frontiers of knowledge and respond in powerful and interdisciplinary ways to vital global and local challenges. NYUAD advances NYU as a model university for the 21st century and contributes in multiple ways to the development of a sustainable, knowledge-based economy in Abu Dhabi.
ENERGY OUTLOOK 2020: Globalization 4.0

The global financial crisis of 2009 and resulting economic impact since, has led to a substantial part of society becoming disillusioned by the rise of globalization and the integrated economic systems that it underpins. Simultaneously, and as a counterforce, the past decade has also ushered the developed world into the 4th industrial revolution (4IR) and the plethora of new technologies on offer under its umbrella, opening the potential for increased connectivity across economic value chains and new synergies across borders. Globalization 4.0 is the term that is gaining much momentum and it is finding its way up the agenda of companies’ leadership. This new wave in the fourth Industrial revolution era demands new approaches to a range of issues, from technology and climate change to trade, taxation, migration and humanitarianism. But what Globalization 4.0 demands in reforms can reward with benefits.

Both governments and independent oil and gas companies need to make these strategic alignments to take advantage of innovation and remain competitive. Public-private partnerships both locally and across borders can allow the energy industry to fully embrace the opportunities of the 4IR, in turn supporting R&D budgets and employment opportunities. Collaboration rather than competition seems to be the solution. In recent years, we have witnessed NOCs in the Gulf expanding their investments and partnerships into other markets to secure valuable knowledge and asset and cost diversification. State-owned Saudi Aramco is for example planning to build a $20 billion oil-to-chemicals facility on the Red Sea Coast with SABIC and a $44 billion refinery and petrochemicals project in the Indian state of Maharashtra with a consortium of local refiners.

Arguably, these same technologies have also given certain economies increased energy independence, lessening reliance to an extent on international connections - the shale revolution in the US is a case in point. As they continue to seek new opportunities to enhance the bottom line, how should energy companies adapt to balance the obvious benefits and economic opportunities of international partnerships, technology adoption and cost-effective integration while ensuring that these same strategies fit comfortably with the social policies and economic protectionism of certain host countries?

Globalization 4.0 has begun, and we are not fully prepared for it. To champion the change, the energy industry requires to avoid tinkering to outdated mindsets and existing processes. Rather, now is time to redesign the architecture from the foundation and capitalize on the new opportunities that awaits...
The 10th Gulf Intelligence
UAE Energy Forum 2020

Forum Keynote Speaker
H.E. Mohammad Sanusi Barkindo
Secretary General
Organization of Petroleum Exporting Countries (OPEC)
Confirmed Speakers

H.E. Eng. Suhail Mohammed Al Mazrouei
UAE Minister of Energy & Industry

H.E. Mohammad Sanusi Barkindo
Secretary General
Organization of Petroleum Exporting Countries

H.E. Dr. Tawfiq e Elahi Chowdhury
Minister for Power, Energy & Mineral Resources Affairs, Bangladesh

Kristina Haverkamp
Managing Director
German Energy Agency

Dr. Symeon Kassianides
Chairman
Cyprus Natural Gas Public Company (DEFA)

Dr. Adnan Shihab-Eldin
Director General
Kuwait Foundation for the Advancement of Sciences

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German Energy Agency
The 10th Gulf Intelligence
UAE Energy Forum 2020

Forum Structure

Forum Debate
in cooperation with the NYUAD Debate Union
January 7th 2020
Abu Dhabi

UAE Energy Forum
January 8th 2020
Abu Dhabi

THE 10th GULF INTELLIGENCE UAE ENERGY FORUM – JANUARY 8th, 2020

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<thead>
<tr>
<th>BREAKFAST BRIEFINGS:</th>
<th>Breakfast Briefing 1</th>
<th>Breakfast Briefing 2</th>
<th>Breakfast Briefing 3</th>
<th>Breakfast Briefing 4</th>
<th>8:00 - 8:45am</th>
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<tr>
<td>SESSION A:</td>
<td>Keynote Speeches/VIP Feature Interview/Q&amp;A Session</td>
<td>9:00 - 11:00am</td>
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<td>Coffee &amp; Networking</td>
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<td>ROUNDTABLES:</td>
<td>Industry Roundtable 1</td>
<td>Industry Roundtable 2</td>
<td>Industry Roundtable 3</td>
<td>Industry Roundtable 4</td>
<td>Industry Roundtable 5</td>
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<td></td>
<td>Lunch &amp; Networking</td>
<td>1:00 - 2:00pm</td>
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<td>ROUNDTABLES:</td>
<td>Industry Roundtable 6</td>
<td>Industry Roundtable 7</td>
<td>2:00 - 3:00pm</td>
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A Legacy of Knowledge Exchange

Globalisation 4.0 will be focus of the 10th UAE Energy Forum to be held on Jan. 8th 2020 - the year where the world comes together at EXPO 2020 in the UAE. For the tenth occasion, the Forum will gather those tasked with leading the National UAE energy industry with their international partners at the start of a New Year to discuss and debate the critical trends that will impact their industry over the 12 months ahead.

**UEF Energy Forum – Historic Timeline**

<table>
<thead>
<tr>
<th>Year</th>
<th>Theme</th>
<th>Special Guests</th>
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<tr>
<td>2011</td>
<td>OPEC’s 50th Anniversary</td>
<td>H.E. Abdalla Salem El Badri, OPEC Secretary General; Ali Obaid Al-Yabhouni, UAE OPEC Governor</td>
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<tr>
<td>2012</td>
<td>How to Maximize E&amp;P with Patented Technologies?</td>
<td>Mr. James McCallum, CEO, Senergy</td>
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<td>2013</td>
<td>Game Changers</td>
<td>H.E Salvador Namburete, Minister of Energy, Mozambique</td>
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The 10th Gulf Intelligence
UAE Energy Forum 2020

2016
Theme: The Era of Energy Abundance & Disruption?
Special Guests: H.E. Dr. Emmanuel Ibe Kackikwu, Minister of State for Petroleum Resources, Nigeria
Hon. Jam Kamal Khan, Minister of State for Petroleum & Natural Resources, Pakistan

2017
Theme: Energy Outlook 2017: To Return To Balance, or Not to Balance?
Special Guests: Amos Hochstein, Special Envoy, Bureau of Energy Resources, U.S Department of State
Dr Gal Luft, Co-Director, Institute for the Analysis of Global Security, USA

2018
Theme: Energy Outlook 2018
Hands Up Anyone Who Knows Where we are In the Cycle?
Special Guests: Abdulaziz Abdulla Alhajri, Downstream Director, Abu Dhabi National Oil Company; Lord Adair Turner, Chairman, Energy Transitions Commission; Dr. Edward L. Morse, Managing Director & Global Head of Commodities Research, Citi

2019
Theme: Energy Outlook 2019: the Year of transition?
Special Guests: H.E. Dr. Sun Xiansheng, Secretary General, International Energy Forum, Mohamed Jameel Al Ramahi, Chief Executive Officer, Masdar, H.E. Amb. Ernst Peter Fisher, Former Director for Energy, Climate Policy and Export Control, Federal Foreign Office, Germany, Adnan Amin, Director-General, IRENA, Abdulmunim Saif Al Kindy, Upstream Director, Abu Dhabi National Oil Company
CALL FOR NOMINATIONS

UNITED ARAB EMIRATES
MINISTRY OF ENERGY & INDUSTRY

DEADLINE: SUNDAY, NOV. 10th

THE 3rd UAE STUDENT AWARDS
for the Advancement of Post-Graduate Education

CALL FOR NOMINATIONS

THE 3rd UAE STUDENT AWARDS
for the Advancement of Post-Graduate Education

ACADEMIC REVIEW COMMITTEE 2020

Prof. Nidal Hilal
Global Professor of Engineering and Director of NYUAD Water Research Center, NYU Abu Dhabi

H.E. Dr. Matar Al Neyadi
Undersecretary
UAE Ministry of Energy and Industry

Dr. Abdulrahman Alraeesi
Director, Emirates Centre for Energy & Environmental Research
UAE University

Dr. Wei Zhao
Chief Research Officer
American University of Sharjah

H.E. Dr. Matar Al Neyadi
Undersecretary
UAE Ministry of Energy and Industry

For more information contact: stephaniegatdula@gulfintelligence.com
VISION AND IMPACT

The vision of the UAE Student Awards for the advancement of postgraduate education is to enhance the prestige and attitudes toward research focused education as a major component to building knowledge capacity and talent required to deliver an innovative R&D ecosystem in the UAE.

The UAE Student Awards recognize and celebrate the country’s future industry and academic leaders who will contribute to building the country’s R&D hub. This Pioneering Award Recognizes role models and establishes the award winners as ambassadors for the Advancement of Post-Graduate Education in the UAE.

As the project gains visibility and legitimacy, so does the significant role of postgraduate education in the development of a knowledge economy.

AWARDS CRITERIA

Criteria for Nominees for the PhD Award:

✓ Emirati National or UAE-based and UAE-educated for a period of 10 consecutive years
✓ Near completion of PhD or a recent PhD graduate in an energy-related field
✓ Demonstrates potential to be a future thought leader in the energy industry in the UAE
✓ PhD dissertation should be relevant to the UAE
✓ Extra weight given to doctorate research that would have a clear impact on the advancement of industry
✓ Demonstrate the intention of working in the UAE

Criteria for Nominees for the Masters Award:

✓ Emirati National or UAE-based and UAE-educated for a period of 10 consecutive years
✓ Near completion of Masters or a recent Masters graduate in an energy-related field
   (Degree must have been completed within the past two years)
✓ Demonstrates potential to be a future thought leader in the energy industry in the UAE
✓ Current or planned involvement in energy-related research in the UAE
✓ Demonstrate the intention of working in the UAE
✓ Extra weight will be given to those with intent to pursue a PhD
✓ Exemplary Undergraduate and Graduate grades

PROCESS

Industry, Academia and Govt stakeholders will be asked to submit recommendations for top individuals along with a rationale for why they should be selected and how their thesis topic and findings are relevant for the UAE. The International Selection Committee will review the nominees & elect winners who will be recognized & presented a trophy in annual Awards Event.
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UAE Energy Forum 2020

The Forum in Numbers

- **20+** Senior Industry Speakers
- **27.5M+** Exposure on Print, Broadcast & Social Media
- **150+** institutions represented
- **200+** Government & C-Suite Decision Makers
- **7** Industry Roundtables
- **4** Breakfast Briefings
- **1** Leadership Panel Discussion
- **4** UAE Student Award Winners
- **150+** institutions represented

Breakdown of Attendees

- **Ministries & Government** 12%
- **Director/Heads of Departments** 37%
- **Managers (Sales, Marketing & BD)** 34%
- **Chairman/CEO/GM/MD** 17%

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UAE Energy Forum 2020

2019 Forum Partners

Selection of Attendees from 2019

A.T. Kearney
ABB
Abu Dhabi Commercial Bank (ADCB)
Abu Dhabi National Energy Company PJSC (TAQA)
ADNOC
Abu Dhabi Ports
ACWA Power
Abu Dhabi National Oil Company (ADNOC)
ADNOC - Al Yasat
ADNOC Drilling
ADNOC Group Communications
ADNOC LNG
ADNOC Offshore
ADNOC Onshore
ADNOC Sour Gas
ADNOC Upstream
Barclays
BASF
Boston Consulting Group (BCG)
Bloomberg
BP
CNBC
Crescent Petroleum
Dana Gas
DMS Global
DNV GL - Oil & Gas

Dow Chemical
Dragon Oil
Dubai Mercantile Exchange (DME)
ENI
Ernst & Young
Facebook
FUJAIRAH OIL INDUSTRY ZONE - FOIZ
Fujairah Oil Tanker Terminal
GPS CHEMOIL LLC FZC
Honeywell
Horizon Energy
HSBC
IL&FS Prime Terminals FZC
Independent Consultant
INPEX /JODCO
International Energy Forum (IEF)
International Finance Corporation (IFC)
Intertek
International Renewable Energy Agency (IRENA)
Jadwa Investment
JP Morgan Chase Bank
LUKOIL OIL COMPANY
Masdar
McDermott
Mckinsey & Company

Microsoft Middle East
Oman LNG
OMV
Petrofac
PETRONAS
Port of Fujairah
Pöyry Management Consulting
Rockwell Automation
S&P Global Platts
SAI Global
Saipem
SAP
Sharjah National Oil Corporation (SNOC)
Shell
SIEMENS
Technip FMC
The National
TOTAL
Trafigura
UAE UK Business Council
Uniper Energy DMCC
Uniper Global Commodities SE
Uniper SE
US Embassy Abu Dhabi, UAE
Vitol Dubai Limited
Vopak Horizon Fujairah
VTTI Fujairah Terminals FZC
About Gulf Intelligence

“We Facilitate Knowledge Exchange”

Gulf Intelligence is a strategic communications & research firm effective across the full value-chain of the Middle East Energy Sector. We facilitate knowledge exchange and advance the business interests of national and international stakeholders operational in the regional industry.
## Partnership Matrix

<table>
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<tr>
<th>Title Partner</th>
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<tbody>
<tr>
<td>Premier Partner</td>
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<tr>
<td>Industry Roundtable Partner</td>
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<tr>
<td>Industry Breakfast Briefing Partner</td>
<td>$20K</td>
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<tr>
<td>Industry Branding Partner</td>
<td>$20K</td>
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*All prices exclude VAT*