



The Royal Academy  
of Engineering

The ERA  
Foundation

The 2009 International Lecture and Dinner  
**Technology: The Key to the Future of  
Sustainable Energy**

Speaker:

Abdallah S Jum'ah

Former President and Chief Executive Officer of Saudi Aramco

Venue:

BMA House

Tavistock Square

London WC1H 9JP

Wednesday 17 June 2009

6.00pm for 6.30pm

## The 2009 International Lecture

# Technology: The Key to the Future of Sustainable Energy

**In the coming decades global energy demand is set to increase as a result of population growth and rising living standards in the developing world. Despite the increasing viability of some alternative energy sources, for the foreseeable future it is traditional fossil fuels that will continue to meet the vast majority of the world's energy needs.**

Just as they have for over a century, advances in petroleum technology are the keys to a more sustainable and more secure energy future. Continuous enhancements in exploration and production, reservoir recovery rates, processing and refining, and cleaner and more efficient petroleum fuel formulations will all help in meeting mankind's energy needs. This will help to utilise most of the Earth's massive conventional and non-conventional oil resources. Technology also has an important role to play in meeting two interrelated global imperatives: protecting the natural environment for future generations while fueling the global economic growth needed for continued prosperity in the developed world and higher standards of health and wellbeing in emerging economies.

However, such new petroleum technologies depend on sustained investments in research and development and above all on world-class engineering – which in turn depends on world-class engineers exercising new skill-sets and working in conjunction with other disciplines.

Technology has always been a vital enabler for the global petroleum industry, but it also has the potential to be a game-changer when it comes to building a more promising energy future for mankind.

*Abdallah S Jum'ah is former President and Chief Executive Officer of the Saudi Arabian Oil Company (Saudi Aramco), which manages the world's largest proven oil reserves and is the world's largest producer of crude oil and a leading player in the gas and refining businesses. During his tenure as President and Chief Executive Officer of Saudi Aramco until his retirement on 31 December 2008, Jum'ah served on Saudi Aramco's Board of Directors and on the Saudi Arabian Supreme Council of Petroleum and Mineral Affairs, chaired by the King.*

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### Programme:

**6.00pm** Registration

**6.30pm** Address by Abdallah S Jum'ah  
Q & A session

**8.00pm** Drinks reception

**8.30pm** Dinner

**Chair:** Lord Browne of Madingley FEng FRS,  
President, The Royal Academy  
of Engineering

**Dress:** Business Attire

Following the lecture there will be a drinks reception and optional dinner. To reserve a dinner place please complete the attached form. Please note the dinner price is inclusive of VAT.

*NB: We regret that a refund will not be possible for cancellations received after 10 June 2009 unless the place can be reallocated.*

The 2009 International Lecture Wednesday 17 June 2009  
**Technology: The Key to the Future of Sustainable Energy**

Registration Form

I wish to reserve  ticket(s) for the lecture on Wednesday 17 June 2009

I wish to reserve  ticket(s) for the dinner at £50.00 each

Title First name

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Surname Honours

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Position

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Organisation

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Address

---

Postcode

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Telephone Email

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Dietary requirements

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**I would like to bring a guest**

Title First name

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Surname Honours

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Position

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Organisation Email

---

Dietary requirements

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I enclose a cheque\* payable to The Royal Academy of Engineering or please debit my credit card\* for the sum of  (\*delete as appropriate)

Card Holder's Name:

Account Number:

Security Number:  (last 3 digits on back of card)

Please note we only accept **Visa** and **Mastercard**

Signature Card Expiry Date /

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Please detach and return booking form only

**Please return to:** Alice Curnow, Team Administrator  
 The Royal Academy of Engineering, 3 Carlton House Terrace, London SW1Y 5DG  
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 VAT Registration Number: 503 4089 74 Registered Charity Number: 293074

# The Royal Academy of Engineering

As Britain's national academy for engineering, we bring together the country's most eminent engineers from all disciplines to promote excellence in the science, art and practice of engineering. Our strategic priorities are to enhance the UK's engineering capabilities, to celebrate excellence and inspire the next generation, and to lead debate by guiding informed thinking and influencing public policy.

The Academy's work programmes are driven by three strategic priorities, each of which provides a key contribution to a strong and vibrant engineering sector and to the health and wealth of society.

## Enhancing national capabilities

As a priority, we encourage, support and facilitate links between academia and industry. Through targeted national and international programmes, we enhance – and reflect abroad – the UK's performance in the application of science, technology transfer, and the promotion and exploitation of innovation. We support high quality engineering research, encourage an interdisciplinary ethos, facilitate international exchange and provide a means of determining and disseminating best practice. In particular, our activities focus on complex and multidisciplinary areas of rapid development.

## Recognising excellence and inspiring the next generation

Excellence breeds excellence. We celebrate engineering excellence and use it to inspire, support and challenge tomorrow's engineering leaders. We focus our initiatives to develop excellence and, through creative and collaborative activity, we demonstrate to the young, and those who influence them, the relevance of engineering to society.

## Leading debate

Using the leadership and expertise of our Fellowship, we guide informed thinking, influence public policy making, provide a forum for the mutual exchange of ideas, and pursue effective engagement with society on matters within our competence. The Academy advocates progressive, forward-looking solutions based on impartial advice and quality foundations, and works to enhance appreciation of the positive role of engineering and its contribution to the economic strength of the nation.



The Royal Academy of Engineering promotes excellence in the science, art and practice of engineering.

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