

INTERNATIONAL MINISTERIAL CONFERENCE

Nuclear Power in the 21st Century

30 OCTOBER – 1 NOVEMBER 2017
ABU DHABI, UNITED ARAB EMIRATES

PROGRAMME



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60 Years

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Atoms for Peace and Development

**In cooperation with the
OECD Nuclear
Energy Agency**



NEA

NUCLEAR ENERGY AGENCY

**Hosted by the United Arab Emirates Government
through the Ministry of Energy and
the Federal Authority for Nuclear Regulation**



**UNITED ARAB EMIRATES
MINISTRY OF ENERGY**

FANR
الهيئة الاتحادية للرقابة النووية
Federal Authority for Nuclear Regulation



Conference President:

H.E. Mr Hamad Alkaabi,

*Ambassador of the United Arab Emirates to Austria and
Permanent Representative to the IAEA, CTBTO and
UN Organizations in Vienna*

IAEA Secretariat:

Scientific Secretaries:

Mr Milko Kovachev, *Division of Nuclear Power*

Mr Sean Dunlop, *Division of Nuclear Power*

Mr Stewart Magruder, *Division of Nuclear Installation Safety*

Conference Organizers:

Ms Martina Neuhold, *Division of Conference
and Document Services*

Ms Elizabeth Delgado, *Division of Conference
and Document Services*

Host Organization Liaison Officer:

Ms Jil Huber, *Public Relations Officer, Permanent Mission
of the United Arab Emirates to the IAEA*

Working Language:

English. However, simultaneous interpretation will be provided in Arabic, Chinese, English, French, Russian and Spanish during the conference sessions. Side events will be held in English only.

Location of the Conference:

St. Regis Saadiyat Island Resort

Saadiyat Island

Abu Dhabi

United Arab Emirates

<http://www.stregissaadiyat island.com>

Tel.: +971 (2) 498 8888

- Registration
- All conference sessions
- Briefing room for technical sessions
- Press area
- Internet area
- Refreshments
- National exhibitions
- Meeting rooms for delegations
- Refreshments and lunch

TIMETABLE

SUNDAY, 29 October 2017

15:00-20:00 Registration

18:00-20:00 *Welcome Reception at the St. Regis Saadiyat Island Resort*

MONDAY, 30 October 2017

09:30-10:15 **OPENING SESSION**

10:15-13:00 National Statements

13:00-15:00 *Lunch*

13:45-14:45 United Arab Emirates (UAE) Side Event:
The UAE's Journey Towards Peaceful Nuclear Energy

15:00-17:00 **PANEL SESSION 1:**
Nuclear Power as a Key to Solving the '3Es' Trilemma

17:00-18:00 National Statements (continued)

20:00 *Dinner Reception hosted by the Emirates Nuclear Energy Corporation (ENEC)*

TUESDAY, 31 October 2017

09:30-11:00 National Statements (continued)

11:00-13:00 **PANEL SESSION 2: Challenges in Developing Nuclear Power Infrastructure**

13:00-15:00 *Lunch*

13:45-14:45 IAEA/NEA Side Event: Facilitating International Cooperation (*Side Event Room*)

15:00-17:00 **PANEL SESSION 3: Safety and Reliability Aspects of Nuclear Energy**

17:00-18:00 National Statements (continued)

WEDNESDAY, 1 November 2017

09:30-11:30 **PANEL SESSION 4: Innovations and Advances in Nuclear Technologies**

11:30-12:00 Special Presentation: A Vital Role for Women in Nuclear

12:00-12:30 National Statements (continued)

Followed by **Concluding Statement by the President of the Conference**

13:00 Closing of the Conference

13:00 *Lunch*

PROGRAMME

MONDAY, 30 October 2017

09:30-10:15 OPENING SESSION

H.E. Eng. Suhail Mohamed Faraj Al Mazrouei,
Minister of Energy and Industry, United Arab Emirates

Mr Yukiya Amano, *Director General,*
International Atomic Energy Agency (IAEA)

Mr William D. Magwood, IV, *Director General, Nuclear*
Energy Agency of the Organisation for Economic
Co-operation and Development (OECD-NEA)

10:15-13:00 National Statements

13:00-15:00 *Lunch*

13:45-14:45 United Arab Emirates (UAE) Side Event: The
UAE's Journey Towards Peaceful Nuclear
Energy

15:00-17:00 PANEL SESSION 1: Nuclear Power as a Key to Solving the '3Es' Trilemma

*This session will examine the role of nuclear power in
mitigating climate change as an option in a sustainable
energy mix under different national conditions and as a
driver for sustainable development.*

Moderator:

Ms Ann MacLachlan, *Journalist (freelance)*

Panellists:

Mr Michael Shellenberger, *President, Environmental*
Progress (EP), United States

Ms Agneta Rising, *Director General, World Nuclear*
Association (WNA)

Mr Pan Jianming, *Secretary of the Board of Directors,*
China National Nuclear Corporation (CNNC), China

H.E. Arch. Yeafesh Osman, *Honourable Minister for*
Science and Technology, Bangladesh

Mr Mohamed Al Hammadi, *CEO, Emirates Nuclear*
Energy Corporation (ENEC), United Arab Emirates

17:00-18:00 National Statements (continued)

20:00 *Dinner Reception hosted by the Emirates*
Nuclear Energy Corporation (ENEC)

09:30-11:00 National Statements (continued)

11:00-13:00 PANEL SESSION 2: Challenges in Developing Nuclear Power Infrastructure

This session will focus on challenges in developing strong institutional infrastructure for nuclear power including financing, stakeholder involvement and public acceptance.

Keynote Remarks:

Mr Mzubanzi Bismark Tyobeka, CEO, National Nuclear Regulator (NNR), South Africa

Panellists:

Mr Xavier Ursat, Group Senior Executive Vice President, New Nuclear Projects and Engineering, EDF Group, France

Mr Kirill Komarov, First Deputy CEO for Corporate Development and International Business, ROSATOM, Russian Federation

Mr Nalinish Nagaich, Director for Human Resources, Nuclear Power Corporation of India Limited (NPCIL), India

The Honourable Hajah Nancy Shukri, Minister, Prime Minister's Department, Malaysia

Mr Muhammad Naeem, Chairman, Pakistan Atomic Energy Commission (PAEC), Pakistan

13:00-15:00 Lunch

13:45-14:45 IAEA/NEA Side Event: Facilitating International Cooperation (Side Event Room)

15:00-17:00 PANEL SESSION 3: Safety and Reliability Aspects of Nuclear Energy

This session will discuss how to ensure safety, security and non-proliferation in dealing with challenges such as the expansion of nuclear power in the world, long term operation of nuclear power plants and a variety of innovative technologies.

Keynote Remarks:

Mr Petteri Tiippana, Director General, Radiation and Nuclear Safety Authority (STUK), Finland

Panellists:

Mr Ramzi Jammal, Executive Vice-President and Chief Regulatory Operations Officer, Canadian Nuclear Safety Commission (CNSC), Canada

Mr Shunsuke Kondo, Former Chairman, Japan Atomic Energy Commission and President, Nuclear Waste Management Organization of Japan (NUMO), Japan

Mr Jose Reyes, Chief Technology Officer, NuScale Power, United States

Mr Noh Baek-sik, Executive Vice President, Korea Hydro and Nuclear Power Co., Ltd. (KHNP), Republic of Korea

17:00-18:00 National Statements (continued)

WEDNESDAY, 1 November 2017

09:30-11:30 PANEL SESSION 4: Innovations and Advances in Nuclear Technologies

This session will highlight new developments in various areas related to nuclear power such as small modular reactors for near term deployment and open and closed fuel cycles.

Keynote Remarks:

Mr François Gauché, Director, Nuclear Energy Division, Alternative Energies and Atomic Energy Commission (CEA), France, and Chairperson, Gen-IV International Forum

Panellists:

Mr Osvaldo Calzetta-Larrieu, Chairman, National Atomic Energy Commission (CNEA), Argentina

Mr Zhang Zuoyi, Director, Institute of Nuclear and New Energy Technology (INET), Tsinghua University, China

Mr Viacheslav Pershukov, Special Representative for International and Scientific Projects, ROSATOM, Russia

Mr Mika Pohjonen, Managing Director, Posiva Solutions Oy, Finland

11:30-12:00 Special Presentation: A Vital Role for Women in Nuclear

H.E. Sheikha Lubna Bint Khalid Al Qasimi, Vice Chairwoman, Emirates Nuclear Energy Corporation Board of Directors, and President, Zayed University, United Arab Emirates

12:00-12:30 National Statements (continued)

Followed by **Concluding Statement by the President of the Conference**

13:00 Closing of the Conference

13:00 Lunch

PARTICIPATION IN IAEA SCIENTIFIC MEETINGS

Governments of Member States and those organizations whose activities are relevant to the meeting subject matter are invited to designate participants in IAEA scientific conferences and symposia. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Representatives of the press, radio, television or other information media and members of the public, the latter as “observers”, may also be authorized to attend, but without the right to take part in the proceedings.

Scientists interested in participating in any of the IAEA meetings should request information from the Government authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

CONFERENCE DOCUMENTATION

National statements, as available, will be posted on the IAEA Conference and Meetings App as well as the conference website during the conference.

IAEA PUBLICATIONS

The publications and material is available at the conference web site:

<https://www.iaea.org/events/nuclear-power-conference-2017>

IAEA publications may also be ordered at the Conference Desk or directly from the Marketing and Sales Unit, International Atomic Energy Agency, P.O. Box 100, 1400 Vienna, Austria.

Tel: (+43 1) 2600-22529 (or 22530)

Fax: (+43 1) 2600 29302

Email: sales.publications@iaea.org

Internet: <http://www.iaea.org/books>

FORTHCOMING SCIENTIFIC MEETINGS SCHEDULED BY THE IAEA IN:

2017

International Conference on Physical Protection of Nuclear Material and Nuclear Facilities

13-17 November 2017, Vienna, Austria

International Conference on Radiation Protection in Medicine: Achieving Change in Practice

11-15 December 2017, Vienna, Austria

For complete information on forthcoming scientific meetings, please consult the IAEA conference web site: <http://www.iaea.org/events>

2018

Third International Conference on Human Resource Development for Nuclear Power Programmes: Meeting Challenges to Ensure the Future Nuclear Workforce Capability

28-31 May 2018, Gyeongju, Republic of Korea

International Symposium on Uranium Raw Material for the Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues (URAM-2018)

25-29 June 2018, Vienna, Austria

FAO/IAEA International Symposium on Plant Mutation Breeding and Biotechnology

27-31 August 2018, Vienna, Austria

International Symposium on Communicating Nuclear and Radiological Emergencies to the Public

1-5 October 2018 Vienna, Austria

International Conference on Challenges Faced by Technical and Scientific Support Organizations (TSOs) in Enhancing Nuclear Safety and Security

15-19 October 2018, Brussels, Belgium

27th IAEA Fusion Energy Conference (FEC-2018)

22-27 October 2018, Ahmedabad, India

Symposium on International Safeguards

5-9 November 2018, Vienna, Austria

**Ministerial Conference on Nuclear Science and
Technology: Addressing Current and Emerging
Development Challenges**

28-30 November 2018, Vienna, Austria

**International Conference on Global Radioactive Material
Security Governance**

3-7 December 2018, Vienna, Austria

**International Symposium on Understanding the Double
Burden of Malnutrition for Effective Interventions**

10-13 December 2018, Vienna, Austria



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CN-247

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