

PROGRAMME

INTERNATIONAL SEMINAR ON MODERNISING NUCLEAR SAFETY REGULATION

3-4 December 2024
Xiamen, China

Programme – Day 1

Tuesday, 3 December 2024

Seminar registration and welcome desk: main entrance of the hotel

Opening remarks – Grand Ballroom

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| 9:00-9:05 | Introduction of the seminar and guests of honour
Mr Huagang SUN, Xiamen TV |
| 9:05-9:15 | Welcoming remarks from the Ministry of Ecology and Environment/National Nuclear Safety Administration (MEE/NNSA)
Mr Baotong DONG, Vice Minister of MEE/Administrator of NNSA |
| 9:15-9:30 | Welcoming remarks from the local government
Local Authority |
| 9:30-9:40 | Welcoming remarks from the Nuclear Energy Agency (NEA)
Mr William D. MAGWOOD, IV, Director-General, NEA |
| 9:40-9:55 | Evolutions and perspectives for nuclear energy and key enablers for success
Mr William D. MAGWOOD, IV, Director-General, NEA |
| 9:55-10:15 | Coffee break |

After the coffee break, seminar participants are requested to join the Golden Xiamen Ballroom for the rest of the Seminar

General information about the seminar

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| 10:15-10:20 | Mr Redouane EL GHALBZOURI, Administrator, NEA |
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**Session 1: A fast-changing nuclear landscape driven by an increased reliance on nuclear energy:
Challenges and opportunities – Golden Xiamen Ballroom**

- 10:20-10:25 **Moderation and session introduction**
Mr William D. MAGWOOD, IV, Director-General, NEA
- 10:25-10:40 **China’s nuclear and radiation safety regulatory practices and considerations for promoting modernisation**
Mr Jianjun LUO, Deputy Director General, Department of Nuclear Facility Safety Regulation, MEE/NNSA
- 10:40-10:55 **Pioneering the future: Challenges and opportunities in technology licensing**
Mr Christer VIKTORSSON, Director General, Federal Authority for Nuclear Regulation (FANR)
- 10:55-11:10 **CNSC’s approach to the changing nuclear landscape in Canada**
Mr Ramzi JAMMAL, Executive Vice-President and Chief Regulatory Operations Officer, Canadian Nuclear Safety Commission (CNSC)
- 11:10-11:25 **Regulatory challenges and opportunities considering the French perspectives for nuclear energy**
Ms Stéphanie GUENOT BRESSON, Commissioner, Autorité de sûreté nucléaire (ASN, French Nuclear Safety Authority)
- 11:25-11:40 **Challenges and opportunities for the nuclear regulation in Spain**
Mr Juan Carlos LENTIJO, President, Consejo de Seguridad Nuclear (CSN, Spanish Nuclear Safety Council)
- 11:40-11:55 **A glance at nuclear technology and regulatory aspects in the Kingdom of Saudi Arabia**
Mr Khalid ALEISSA, Director General, Nuclear and Radiological Regulatory Commission (NRRC)
- 11:55-12:40 **Panel discussion**
Mr William D. MAGWOOD, IV, Director-General, NEA
- 12:40-12:45 Group photo
- 12:45-14:00 Lunch break

Session 2: Speeding up capacity building – Golden Xiamen Ballroom

Sub session 1: Focus on competence and knowledge management

- 14:00-14:05 **Moderation and session introduction**
Mr Jun PENG, Consultant Director, Department of Nuclear Power Safety Regulation, MEE/NNSA
- 14:05-14:25 **Development and transfer of knowledge: UAE strategy for regulatory capacity building**
Mr Christer VIKTORSSON, Director General, FANR
- 14:25-14:45 **PNRA capacity building measures and international support for development of regulatory infrastructure of embarking countries**
Mr Naveed MAQBUL, Member (Corporate), Pakistan Nuclear Regulatory Authority (PNRA)
- 14:45-15:05 **ISIN, the Italian Regulatory Authority: Experiences and strategies in terms of capacity building and attractiveness**
Mr Francesco CAMPANELLA, Director General, Ispettorato nazionale per la sicurezza nucleare e la radioprotezione (ISIN, Italian National Inspectorate for Nuclear Safety and Radiation Protection)
Mr Luca CRETARA, Nuclear Safety Analyst, ISIN
- 15:05-15:25 **Building the French nuclear capabilities**
Ms Caroline MULLER, Groupement des industriels français de l'énergie nucléaire (GIFEN, French nuclear industry trade association) – Secretary General of Partenariat France Chine Electricité (PFCE, France-China Electricity Partnership)
- 15:25-15:45 **Development and transfer of knowledge: Capacity building and knowledge management in China**
Mr Yuxin QIN, Vice President, CGN Power Co., Ltd
- 15:45-16:00 **Development and transfer of knowledge: NEA education initiatives**
Ms Véronique ROUYER, Head of the Division of Nuclear Safety Technology and Regulation, NEA
- 16:00-16:15 Coffee break

Sub session 2: Focus on development of research capacities

- 16:15-16:35 **Overview of nuclear safety research capabilities and related activities**
Ms Rong PAN, Deputy Chief engineer of NSC, MEE/NNSA
- 16:35-16:55 **NEA research activities to support safety assessment**
Ms Véronique ROUYER, Head of the Division of Nuclear Safety Technology and Regulation, NEA
- 16:55-17:15 **Development of industrial capacities in safety aspects**
Mr Lin SONG, General Manager of Fuqing Nuclear Power Plant, China National Nuclear Corporation (CNNC)
- End of day 1
- 19:00-20:00 Social Dinner Hosted by NNSA – Grand Ballroom

Programme – Day 2

Wednesday, 4 December 2024

Session 3: Modernising safety assessment and inspections – Golden Xiamen Ballroom

- 9:00-09:05 **Moderation and session introduction**
Ms Anna BRADFORD, Director of the Division of Nuclear Installation Safety, International Atomic Energy Agency (IAEA)
- 9:05-9:25 **Regulatory experiences and challenges of Guo He One (CAP1400) demonstration project (FOAK)**
Mr Jingzhi ZHOU, Director of Division, Department of Nuclear Power Safety Regulation, MEE/NNSA
- 9:25-9:45 **Recent experience from NRA regarding licensing process and learnings from ROP**
Mr Watanabe KEIICHI, Director of Division of Licensing for Nuclear Power Plants, Nuclear Regulatory Authority (NRA)
- 9:45-10:05 **Status of review and modernisation of the South African regulatory practices**
Mr Peter BESTER, Programme Manager: Nuclear Power Plants, National Nuclear Regulator (NNR)
- 10:05-10:20 **Nuclear safety inspection practices of the Eastern Regional Office**
Mr Xuefa LI, Director of Division, East China Regional Office, MEE/NNSA
- 10:20-10:35 **Exploration and practice of nuclear safety culture in South China region**
Mr Jianying XIANG, Deputy Director of Division, South China Regional Office, MEE/NNSA
- 10:35-10:50 **China's regulatory practices for nuclear safety equipment**
Mr Xiangrui MA, Director of Division, North China Regional Office, MEE/NNSA
- 10:50-11:05 **Radiation safety regulation of nuclear technology utilisation in China**
Mr Lifeng MA, Deputy Director of Division, Department of Radiation Source Safety Regulation, MEE/NNSA
- 11:05-11:20 Coffee break

Moderation

Ms Véronique ROUYER, Head of the Division of Nuclear Safety Technology and Regulation, NEA

11:20-11:40 IAEA support to member states: Modernisation of nuclear safety regulation

Ms Anna BRADFORD, Director of the Division of Nuclear Installation Safety, IAEA

11:40-11:55 Sharing regulatory experiences and practices through NEA activities

Mr Redouane EL GHALBZOURI, Administrator and Nuclear Safety Specialist, NEA

11:55-12:10 Enhancing collaboration in nuclear safety: Updates from MDEP and GIF's Risk and Safety Working Group

Ms Marina DEMESHKO, Administrator and Nuclear Safety Specialist, NEA

12:10-12:30 Co-operation between China and the IAEA in the field of nuclear safety

Ms Lili XIAO, Senior Project Official, China Atomic Energy Authority (CAEA)

12:30-13:30 Lunch break

Session 4: Modernising organisations and licensing frameworks: Increasing efficiency, effectiveness and public trust – Golden Xiamen Ballroom

13:30-13:40 Moderation and session introduction

Mr Juan Carlos LENTIJO, President, CSN

13:40-13:55 Moving forward to prepare for the challenges of long-term operation of nuclear power plants, new constructions

Ms Andrea BEATRIX KADAR, President, Hungarian Atomic Energy Authority (HAEA)

13:55-14:10 TBC

Mr Saïd MOULINE, Director General, Agence Marocaine de Sûreté et de Sécurité Nucléaires et Radiologiques (AMSSNuR, Moroccan Agency for Nuclear and Radiological Safety and Security)

14:10-14:25 The French nuclear context: How is ASN evolving?

Ms Stéphanie GUENOT BRESSON, Commissioner, ASN

14:25-14:40 Stakeholder involvement and public trust

Mr Ramzi JAMMAL, Executive Vice-President and Chief Regulatory, CNSC

14:40-14:50 **The NEA engagement to foster communication, engagement and trust between the public and the nuclear sector**

Ms Véronique ROUYER, Head of the Division of Nuclear Safety Technology and Regulation, NEA

14:50-15:05 **Nuclear science popularisation and public communication**

Mr Peng WANG, President of China Atomic Energy Press

15:10-15:50 **Panel discussion**

Mr Juan Carlos LENTIJO, President, CSN

Closing session – Golden Xiamen Ballroom

15:50-16:00 **Final summary**

Ms Véronique ROUYER, Head of the Division of Nuclear Safety Technology and Regulation, NEA

16:00-16:10 **Closing remarks**

Mr William D. MAGWOOD, IV, Director-General, NEA

16:10-16:20 **Closing remarks**

Mr Baotong DONG, Vice Minister of MEE/Administrator of NNSA

16:20 End of day 2

Thursday, 5 December 2024¹

Technical site visit: Zhangzhou Nuclear Power Plant

Participants who registered for the site visit will go to the Zhangzhou Nuclear Power Plant, which will, when completed, comprise 6 HPR1000 reactors.

The commissioning of the two first units is expected in 2024 and 2025, five years after the start of construction. The NNSA issued a permit for the construction of units 3 and 4 in February 2024.

Nuclear power plant site visit		
8:30	Check-out and meet at the lobby	The Conference hotel
8:30-10:30	Bus to Zhangzhou Nuclear Power Plant (2 hours by bus)	Bus Provided by host
10:30-11:30	Meeting with plant staff	
11:30-12:30	Lunch	Lunch provided by host
12:30-15:00	Site visit (Exhibition Hall, main control room of unit-1, construction site of unit-4)	
15:00-17:30	Bus to Tulou (2.5 hours by bus)	Bus provided by host
17:30-19:00	Check in and dinner	Hotel near Tulou*

* The host will assist with room reservations at a hotel near Tulou. Participants will be responsible for covering their own room costs (600 CNY) and for the entry ticket to the Tulou site (100 CNY).

1. For participants who registered to the site and cultural visit.

Friday 6 December 2024²

Cultural site visit of Fujian Tulou

Participants are invited to discover the Fujian Tulou, a unique Chinese rural dwelling built several centuries ago.

Culture visit		
7:30-8:30	Breakfast (included)	
8:30	Check-out and meet at the lobby	
8:30-12:00	Culture visit of Tulou	
12:00-14:00	Lunch	Lunch provided by host
14:00-16:20	Tulou—Xiamen airport (2 hours by bus) Xiamen Conference International Hotel (20 min by bus)	Bus provided by host

2. For participants who registered to the site and cultural visit.

Contacts

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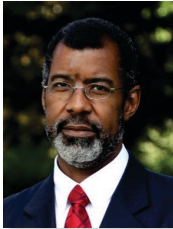
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Biographies



William D. Magwood, IV, Director-General, Nuclear Energy Agency

Mr Magwood took up his duties as Director-General of the NEA on 1 September 2014. He has extensive experience in both the regulatory and developmental aspects of nuclear energy, including at the international level. From 2010 to 2014, he served as one of the five Commissioners appointed by the US President and confirmed by the US Senate to the US Nuclear Regulatory Commission (NRC). While a commissioner, he advocated the importance of nuclear regulatory independence and the necessity of maintaining strong, credible and technically sound nuclear regulation in the United States and all countries that use nuclear power.

Prior to his appointment at the NRC, from 2005 to 2010 he provided independent strategic and policy advice to US and international clients on energy, environmental and technology policy issues. During this time, he also sat on various advisory groups and provided technical and policy advice to members of the US Congress on nuclear research, education and climate change policy.

From 1998 to 2005, Mr Magwood was Director of Nuclear Energy at the US Department of Energy (DOE). During his tenure, he launched several important initiatives, including the US Nuclear Power 2010 programme and the Generation IV International Forum (GIF). He was also actively involved in the work of the NEA, serving as a Steering Committee bureau member from 1999 to 2003, and as Chair in 2004 and early 2005.

Prior to his experience at the DOE, Mr Magwood managed electric utility research and nuclear policy programmes at the Edison Electric Institute in Washington, DC, and was a scientist at Westinghouse Electric Corporation in Pittsburgh, Pennsylvania.

Mr Magwood, a US national, holds bachelor's degrees in physics and English from Carnegie Mellon University and a Master of Fine Arts from the University of Pittsburgh.



Baotong Dong, Vice Minister of Ministry of Ecology and Environment (MEE) and Administrator of National Nuclear Safety Administration (NNSA), China

Mr Dong was born in 1967 and holds a postgraduate degree. He graduated from Peking University and has worked for over 30 years in the nuclear sector and in central and local government.

He served as Vice Chairman for the China Atomic Energy Authority from 2021 to 2022.

In October 2022, Mr Dong was appointed as the Vice Minister of the Ministry of Ecology and Environment and the Administrator of the National Nuclear Safety Administration, China.



Jianjun Luo, Deputy Director General, Department of Nuclear Facility Safety Regulation, MEE/NNSA, China

Mr Luo, born in 1976, holds a Master of Engineering and is a registered nuclear safety engineer. In June 2002, he began working in the Nuclear Safety Center of the State Environmental Protection Administration, successively serving as assistant engineer, engineer and senior engineer in the General Division, Radioactive Waste and Nuclear Fuel Cycle Room and the Chief Engineer's Office. In December 2010, he was appointed Deputy Director of the Scientific Research and Planning Division. Since January 2012 he has successively served as Deputy Director, and Director of the Nuclear Technology Utilization Department of the Radiation Source Safety Supervision Department of the Ministry of Environmental Protection. In November 2018, he began serving as a member of the Party Group and the leader of the discipline inspection Group of the Northeast Nuclear and Radiation Safety Supervision Station of the Ministry of Ecology and Environment. In December 2023, he began working as deputy Director of the Nuclear Facility Safety Supervision Department of the Ministry of Ecology and Environment. He is mainly engaged in the supervision and management of nuclear technology utilisation, radioactive waste, associated radioactive ore and other fields, as well as the management of scientific research projects and the discipline inspection of party building.



Christer Viktorsson, Director General, Federal Authority for Nuclear Regulation (FANR), United Arab Emirates

Christer Viktorsson is a nuclear physicist with more than 35 years of national and international nuclear safety experience. He has a master's degree in physics from the Abo Academy University in Finland.

Mr Viktorsson's previous career highlights include contributing to the production of radioisotopes for medical purposes, working at the Nuclear Energy Agency in France and at the International Atomic Energy Agency in Austria, and serving 10 years as Deputy Director General of the Swedish Nuclear Safety Authority.

In 2009 he initially joined FANR as Deputy Director General of Operations to co-ordinate the early establishment and management of FANR's regulatory framework. He then rejoined in June 2015 to lead the organisation as Director General.



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

Ramzi Jammal has accumulated over 35 years of experience in the nuclear industry, including working for the CNSC since 1998. His work combines executive management skills with scientific expertise, representing the CNSC in Canada and internationally. At the CNSC, Mr Jammal has occupied several roles, including serving as Acting Chief Executive Officer from October 2023 to August 2024. He is currently Executive Vice-President and Chief Regulatory Operations Officer.

Mr Jammal was the recipient of the prestigious 2021 Ian McRae award, honouring his substantive contribution to the advancement of nuclear energy in Canada.

Internationally, his work includes co-chairing the Fukushima Daiichi Accident Report (2015) and holding the role of President of the Convention on Nuclear Safety (2016-18). As a member of the International Atomic Energy Agency (IAEA) Commission on Safety Standards, he has been instrumental in the development of the IAEA Code of Conduct for the Safety and Security of Radioactive Sources and the international categorisation of radioactive sources.

In 2024, Ramzi was elected by consensus as President of the Eighth Review Meeting of the Contracting Parties to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management for a period of three years. He also served as President of the Convention of Nuclear Safety (CNS) in 2017; and is a member of IAEA Commission of Safety Standard (CSS).



Stéphanie Guénot Bresson, Commissionner, Autorité de Sûreté Nucléaire (ASN), France

Stéphanie Guénot Bresson is a graduate of the École Navale and an atomic engineering graduate of the Institut national des sciences et techniques nucléaires.

Stéphanie Guénot Bresson began her career at the École Navale in 1993. She held several positions in the French Navy as Naval Officer from 1999 till 2023, notably as Head of the Nuclear Infrastructure Section of the Risk Management Office at the Naval Staff in Paris in 2008, as Chief Engineer of the amphibious helicopter carrier Mistral in charge of occupational risk prevention and disaster management in Toulon in 2013, and as Head of the “prevention and control of professional and environmental risks” office of the Armed Forces Command in July 2018.

Since July 2022, she has been Head of the Organisation, Regulations and Transformation office at the Naval Staff in Paris.

Stéphanie Guénot-Bresson is an Officer of the Legion of Honor and of the National Order of Merit, and winner of the 2016 FEM'Energia award. Her participation in various operations has also earned her the *Croix du Combattant*, a national recognition award, the *médaille d'or de la défense nationale* and the French commemorative medal for operations in Afghanistan.

Stéphanie Guénot-Bresson was appointed by decree on 10 December 2023 as a member of the College of the French Nuclear Safety Authority for a six-year term.



Juan Carlos Lentijo, President, Consejo de Seguridad Nuclear (CSN), Spain

Mr Lentijo is an industrial engineer with a specialisation in nuclear safety and radiological protection at the Massachusetts Institute of Technology (MIT), Belgian Nuclear Applications Research Centre (SCK-CEN), Centre for Energy and Environmental Research (Ciemat) and Tecnatom; and in the field of business administration at the Instituto de Empresa (IE).

He joined the Consejo de Seguridad Nuclear (CSN) in 1984 and has held various positions: Technical Director of Nuclear Safety, Deputy Director of Emergencies and previously Deputy Director of Environmental Radiation Protection.

Mr Lentijo was also Director of the Waste Cycle Facilities and Technology Division (2012-2015) and Deputy Director General, and Head of the Department of Nuclear Safety (2015-2021) at the IAEA.

He has several awards, among them the *Encomienda de la Real Orden de Isabel la Católica* from the Spanish Ministry of Foreign Affairs (2022), the Honorable Mention of Industrial Engineer of the Year from the Official College of Industrial Engineers of Madrid (2017) and the Carlos Sánchez del Río Award from the Spanish Nuclear Society. In 2013, the newspaper El País selected him as one of the 100 protagonists of the Ibero-American world, in the category of researchers and pioneers.



Khalid Aleissa, Director General, Nuclear and Radiological Regulatory Commission (NRRC), Saudi Arabia

Dr Khalid A. Aleissa is the Executive Officer (CEO) of the Saudi Nuclear and Radiological Regulatory Commission, in charge of overseeing the regulation and safety of nuclear and radiological activities in Saudi Arabia. With over 35 years of experience in nuclear engineering and health physics, Dr Aleissa has established himself as a leading figure in the fields of nuclear science, radiological health, and regulatory affairs.

Dr Aleissa holds a PhD in nuclear engineering and radiological health physics from Oregon State University in the United States. He also earned a master's degree in nuclear engineering from Tsing Hua University in China. These academic credentials laid the foundation for a distinguished career in both scientific research and policy development in the nuclear sector.

Throughout his career, Dr Aleissa has accumulated extensive experience in a wide range of areas, including scientific research and development (R&D), national strategic planning in nuclear and radiological fields, and the establishment of regulatory frameworks and infrastructure. He was also advisor for several ministers and a board member of some state companies.



Jun Peng, Consultant-Director, Department of Nuclear Power Safety Regulation, MEE/NNSA, China

Mr Peng was born in 1972 and graduated from Tsinghua University with a master and bachelor in nuclear engineering and safety. He has been Consultant-Director of Nuclear Power Division One in NNSA since October 2016 and was Assistant Consultant-Director from April 2013 until October 2016 in same division.

From June 2010 until April 2013, he was Deputy Director of the Division of International Cooperation in Nuclear Safety of NNSA, as the Acting Director in charge of all bilateral and multilateral International Cooperation affairs, in particular forming an internal team to support Chairman Ganjie Li of the fifth CNS. Before that, from May 2005 to June 2010, he served as Diplomat with the Third Secretary and Second Secretary in the Permanent Mission of the P.R. China to the IAEA in charge of nuclear safety and nuclear power issues. From March 2000 to May 2005, he was the Project Officer of Qinshan Nuclear Power Plant. From July 1998 to March 2000, he served as the Secretary in the General Affair Department of MEP, and before that, from July 1997 to July 1998, as the Assistant Project Officer in the Nuclear Power Division of NNSA (in the period from September 1997 to March 1998 as the intern inspector at the Shanghai Regional Office).



Naveed Maqbul, Member (Corporate), Pakistan Nuclear Regulatory Authority (PNRA), Pakistan

Mr Maqbul has over 35 years of experience serving in the national nuclear regulatory body PNRA in different capacities and regulatory disciplines. He has contributed by performing core regulatory functions of review and assessment, deterministic and probabilistic safety analysis as well as capacity building of manpower.

He contributed in different supervisory positions to the PNRA before being designated as one of the two full time members of the PNRA in 2021. Currently, he is looking after the corporate affairs of PNRA which include the operations of the internal TSO for review and assessment of licensing submissions and audit safety analysis, human resource management, training and capacity building, monitoring and evaluation, IT services and international co-operation.

At the international level, he has contributed to IAEA activities related to the strengthening of the regulatory frameworks and infrastructure of countries embarking on nuclear energy. He played a leading role in developing training material and extending expert services to the IAEA for its implementation through training workshops in different embarking countries. He also participated as an expert in several IAEA peer review missions to Member States.



Francesco Campanella, General Director, Ispettorato nazionale per la sicurezza nucleare e la radioprotezione (ISIN), Italy

Mr Campanella graduated in physics at La Sapienza Rome University in 1991. He was a researcher at the electro optics research centre (CREO) for military purposes between 1992 and 1997. From 1997 to April 2024, he was a senior researcher at the Italian national institute for insurance against accidents at work, where he was responsible for a technical service that supported the national health system on radiation protection. He is a technical expert of the Ministry of Health and Ministry of Labour and a member of many government committees on radiological protection. Since April 2024, he holds the post of general director of Italy's National Inspectorate for Nuclear Safety and Radiation Protection. He is a delegate member of the European Nuclear Safety Regulators Group and the Western European Nuclear Regulators Association, and the Italian representative at the International Agency for Nuclear Energy (IAEA).



Luca Cretara, Nuclear Safety Analyst, ISIN, Italy

Mr Luca Cretara graduated in energy engineering, with a nuclear specialisation, in January 2012 at La Sapienza Rome University, and in February 2016 obtained his PhD.

From 2017 to the end of 2022, Mr Cretara was a research Fellow at La Sapienza Rome University. During his postdoctorate, Mr Cretara was involved in research in the field of reactor physics, Monte Carlo methods and probabilistic safety assessment methods applied in decommissioning activities.

Since January 2023 Mr Luca Cretara has served as Nuclear Safety Analyst in the nuclear power plant and physical protection section of the National Inspectorate for Nuclear Safety and Radiation protection (ISIN).



Caroline Muller, GIFEN – Secretary General, PFCE Partenariat France Chine électricité (PFCE)

A graduate of the Paris School of Sciences and holding a master's degree in economic history, Caroline Muller joined the EDF Group in 2001 as Head of Relations with the City of Paris Administration for the Paris Electricity Distribution Network Directorate.

She then joined the Group's Generation activities, where she held a number of positions in communications and corporate affairs. In particular, she was in charge of press relations for the industrial portfolio from 2005 to 2010, before moving to the office of the Executive Vice President in charge of the Group's Generation and engineering and the Asia-Pacific zone.

In 2015, she became Secretary General of the new EPR2 project, jointly managed by EDF and Framatome, and then Director of Communications for new nuclear projects from 2017 to 2020. She was then Chief of Staff to the Executive Vice-President in charge of engineering and new nuclear projects.

Since 2023, Caroline Muller continued her career as an asset manager in Shenzhen, within the NPBU of EDF China, where she is also Secretary General of the PFCE association (France China Partnership for Electricity), representing the French nuclear industry trade association (Groupement des Industriels Français de l'Énergie Nucléaire, or GIFEN) in China.



Yuxin Qin, Vice President, China General Nuclear Power Corporation (CGNP), China

Mr Qin is a Senior Engineer (researcher level) with a master's degree and more than 20 years of experience in operation and maintenance management in the nuclear sector. He is currently the vice president of CGNP, responsible for nuclear power operation and electric power marketing. In addition, he is a permanent member of the WANO Paris Center, the Executive Director and Vice President of China Electrical Equipment Management Association (CEEMA), the Vice President of Operation Branch of China Nuclear Energy Association (CNEA), and the Executive Deputy Director of the Nuclear Energy Committee of China Energy Research Society. He has made outstanding contributions in nuclear reactor engineering, maintenance, training, outage management, enterprise management and other fields.



Rong Pan, Deputy Chief Engineer of Nuclear and Radiation Safety Center (NSC), MEE/NNSA, China

Pan Rong is deputy Chief Engineer and a researcher at NSC. She serves as the president of the Nuclear Power Steel Structure Branch of the China Steel Structure Association.

She has long been engaged in the research of safety technology for nuclear sites and buildings, responsible for completing the structural design of dozens of nuclear power facilities and civil engineering projects. She has chaired hundreds of technical reviews for nuclear power plants and facilities, led over 10 more research projects such as the National Science and Technology Major Project, compiled more than 10 regulations and standards, authored 4 academic monographs and over 50 papers, and has been awarded nearly 20 times.

She has promoted the establishment of technical standards for steel-concrete structures at nuclear power plants, established safety technical requirements for defense against aircraft impact at nuclear power plants, and proposed methods for assessing the seismic and tsunami hazards at coastal nuclear power plant sites and protective technologies.



Lin Song, Secretary of the Party Committee and General Manager of Fuqing Nuclear Power Co., Ltd. CNNC, China

During his tenure at Fuqing Nuclear Power, Mr Song participated in the entire process from construction and commissioning to operating the 6 PWR units. He was responsible for operation preparation, maintenance, technical support, and turn-over from construction to operation.

Before joining Fuqing Nuclear Power, Mr Song served at the Qinshan Nuclear Power Base for over 20 years, working in the first PWR in mainland China, Qinshan phase-1, and the twin CANDU units, Qinshan phase-3. He accumulated boundary experience in areas of maintenance, equipment reliability management and plant outage management.

Mr Song Lin holds a Master's of Business Administration from Shanghai Jiaotong University and graduated from Hangzhou Dianzi University in mechatronics and Nanjing Institute of Technology in mechanical engineering. He was named a High-level Talent of class A in Fujian Province in 2023 for his contribution to the clean energy industry. In the China Nuclear Energy Association, he was an elected Member of the Supervisor Commission.



Anna Bradford, Director of the Division of Nuclear Installation Safety, International Atomic Energy Agency (IAEA)

Since September 2021, Anna Hajduk Bradford holds the position of Director of the Division of Nuclear Installation Safety at the International Atomic Energy Agency (IAEA). In this capacity, she is responsible for the establishment of the appropriate safety infrastructure and for continuously improving the safety of nuclear installations during site evaluation, design, construction, and operation. During her career, she has led efforts in a wide range of technical and policy areas such as long-term operation of reactors, low-level waste management and disposal, environmental reviews, fuel cycle facility licensing, and advanced reactor policy issues.

Prior to this appointment, Ms Bradford had worked since 2000 for the US Nuclear Regulatory Commission (NRC), where she held several senior positions, including Deputy Chief of Staff/Policy Advisor in the Chairman's Office, Branch Chief, Deputy Division Director and Division Director. Her most recent assignment was as Director of the Division that leads the licensing of new reactors, including small modular reactors. She also served as Chair of the Small Modular Reactor Regulators' Forum until 2021. Prior to joining the US NRC, Ms Bradford worked at an engineering consulting firm supporting nuclear-related projects for the US Department of Energy.

Ms Bradford holds a bachelor's degree in mechanical engineering from Virginia Tech in Blacksburg and a master's degree in environmental engineering from the Johns Hopkins University in Baltimore.



Jingzhi Zhou, Director of Nuclear Power Division III, Department of Nuclear Power Safety Regulation, MEE/NNSA, China

Mr Zhou Jingzhi, Director of Nuclear Power Division III in the Department of Nuclear Power Safety Regulation at the National Nuclear Safety Administration, is in charge of the nuclear safety regulation of nuclear power plants in Liaoning, Shandong and Jiangsu Provinces. Also, Mr ZHOU serves as China's contact for the VVER Working Group of the Multinational Design Evaluation Programme (MDEP), leading and co-ordinating China's participation in VVER WG activities.

Since joining NNSA, Mr Zhou has been the Project Officer of the Guohe One Demonstration Project (CAP1400 unit) and Tianwan Nuclear Power Plant (VVER unit), responsible for the nuclear safety licensing and supervision of these nuclear facilities. Also, he is in charge of nuclear safety policies and guideline development, with 12 years of experience in nuclear safety regulation.



Watanabe Keiichi, Director, Division of Licensing for Nuclear Power Plants, Nuclear Regulation Authority (NRA), Japan

Keiichi Watanabe is the director who oversees the licensing processes of all nuclear power plants in Japan since 2022.

He started his public career in the Ministry of Economy, Trade and Industry in 1999, and served especially in the field of energy security and climate change.

In 2011, he was involved in emergency response to the Fukushima Daiichi accident and worked at the Prime Minister's Office, the Tokyo Electric Power Company headquarters, and Fukushima City.

In 2012, he joined to the newly formed NRA, where he is mainly engaged in safety reviews of nuclear power plants.

From 2015 to 2018, he worked as a Senior Nuclear Safety Expert in the External Event Safety Section (NS-EESS) of the IAEA, developing technical documents and supporting developing countries. He has been a member of the Waste Safety Standards Committee (WASSC) of the IAEA from 2022.



Peter Bester, Programme Manager: Nuclear Power Plants, National Nuclear Regulator (NRR), South Africa

Mr Bester has been with the nuclear regulator of South Africa since 1998. Before moving to the regulator, he was employed by Eskom as a Reactor Fuel Engineer at the Koeberg Nuclear Power station just north of Cape Town. There he was involved with, amongst other things, the licensing of the improved fuel management strategy and the licensing of the high-density storage racks of the Koeberg spent fuel pools. Prior to his current position with the regulator, he was responsible for the licensing review of the Pebble Bed Modular Reactor and subsequently responsible for Special Nuclear Projects. His responsibilities included the development of the regulatory framework for the licensing of the new technology and the implementation thereof. As Special Nuclear Project Coordinator he was responsible for, amongst other things, the establishment of the Environmental Surveillance Laboratory and the review and further development of the Regulatory Framework and associated regulatory standards.

Mr Bester has been involved in various international forums and expert missions and served as the South Africa representative of the IAEA Nuclear Safety Standards Committee from 2002 to 2007. He recently participated also in two IAEA Integrated Regulatory Review Service missions.



Xuefa Li, Director of the General Affairs Department of the East China Regional Office, MEE/NNSA, China

Mr Li graduated with a major in nuclear science and technology and is registered as a National Nuclear Safety Engineer.

Mr Li has been engaged in nuclear safety supervision work for 21 years, serving as the director of the nuclear facility supervision department and the director of the special supervision department of nuclear facilities. He has rich experience in on-site supervision. He is familiar with the construction and operation of pressurised water reactors, heavy water reactors, and high-temperature gas cooled reactors. He has participated in international exchanges multiple times.



Jianying Xiang, Deputy Director of Nuclear Facility Supervision Division 1, Southern China Regional Office of Nuclear and Radiation Safety Inspection, Department of Ecology and Environment (SCRO), MEE/NNSA, China

Xiang Jianying joined the SCRO as a nuclear safety supervisor at Taishan Nuclear Power Plant in 2012. He experienced all stages of the two EPR units, from construction to installation, commissioning and operation, and witnessed the growth of the two units, from mimicking foreign technology to becoming the world's No.1 reactor project of EPR units.

Since 2021, he has served as Deputy Director of the General Affairs Division, assisting in the management of business operations to strengthen the office's capacity and supervision.

In 2023, he was appointed Deputy Director of the Nuclear Facility Supervision Division 1 and Head of the on-site supervision team of the Hainan Changjiang Nuclear Power Plant. He was responsible for the operation supervision of Unit 1 and Unit 2 of the Changjiang Nuclear Power Plant and the nuclear safety culture studio. He launched the campaign entitled "Nuclear Safety Culture, I'm in Action" and proposed and implemented the nuclear safety culture special activity called "Two or Three Things about Nuclear Safety Culture".



Xiangrui Ma, Director of Division, North China Regional Office, MEE/NNSA, China

Mr Ma is the Director of the Instrument and Control Equipment Supervision Division of the Northern Regional Office of Nuclear and Radiation Safety Inspection of the Ministry of Ecology and Environment. Mr Ma has been engaged in the design and manufacturing of instrument and control equipment for 10 years. Since 2007, he has been responsible for the supervision and evaluation of the design and manufacturing of electrical and instrument control equipment for civil nuclear power plants in China. He is familiar with the nuclear safety regulation system and the quality assurance management requirements of equipment design and manufacturing process control.



Lifeng Ma, Deputy Director of Division, Department of Radiation Source Safety Regulation, MEE/NNSA, China

Mr Ma has been engaged in radiation safety supervision since graduating from university and has worked in various fields such as radiation environment monitoring, supervision and inspection, administrative management, and approvals.

From 2003 to 2010, he worked at the Radiation Environment Management Center of the Beijing Environmental Protection Bureau, mainly engaged in radiation environment monitoring.

From 2010 to 2016, he worked at the North China Nuclear and Radiation Safety Supervision Station of the Ministry of Ecology and Environment, mainly engaged in supervision and inspection.

Since 2016 he has been working in the Radiation Source Safety Supervision Department of MEE, mainly engaged in administrative management and approvals.



Lili Xiao, Senior Project Official of the Department of International Cooperation, China Atomic Energy Authority (CAEA), China

Ms Xiao served as First Secretary at the Permanent Mission of China in Vienna from October 2020 to May 2024, responsible for promoting co-operation with the IAEA in areas such as nuclear energy and nuclear technology applications, nuclear safety, and technical co-operation. Prior to this, she was Deputy Division Director of the Department of International Cooperation of the CAEA, where she was responsible for bilateral and multilateral co-operation in the nuclear field.

She is currently the National Liaison Officer of China's Technical Cooperation programme to the IAEA, and member of the IAEA Standing Advisory Group on Technical Assistance and Cooperation. She holds the rotating Chair of RCA, which is a regional co-operation agreement for Asia and the Pacific region.



Andrea Beatrix Kadar, President, Hungarian Atomic Energy Authority (HAEA), Hungary

Ms Beatrix Kadar graduated as a biochemical engineer and chemical technical engineer from the Budapest University of Technology. Ms Kadar was appointed President of the Hungarian Atomic Energy Authority in 2021.

From 2014 to 2021, she served in the Ministry of National Development/Ministry for Innovation and Technology as Deputy State Secretary for Energy Affairs. From 2012 to 2014, she was in the Prime Minister's Office as Deputy State Secretary, heading the Bureau of National Security. In 2011 and 2012, Ms Kadar served in the Deputy State Secretariat for European Affairs of Ministry of Foreign Affairs as Advisor on EU strategic affairs. From 2010 to 2012, she served in the Permanent Representation for Hungary to the European Union. Prior to that, from 2003 to 2010, she worked in the Ministry of Foreign Affairs, where she served as Head of Unit. She speaks English, French and Spanish.

TBC

Said Mouline, Director General, Agence Marocaine de Sûreté et de Sécurité Nucléaires et Radiologiques (AMSSNuR), Morocco



Peng Wang, Full Senior Editor, President, China Atomic Energy Press CNNC, China

Since 2015, Mr Wang has been dedicated to book publishing in the nuclear sector. He has initiated and overseen numerous projects, planning, editing or co-editing several books and winning national, provincial and ministerial level awards. He has explored innovative publishing models, including biographies, pictorial collections, science and technology books, and special issues for academic journals. Mr Wang has also conducted dozens of training sessions on scientific writing and publication for professionals in the nuclear industry. His own works include *The Craftsman's Spirit of a Great Nation: Biography of Zhao Renkai*, and he has published over ten articles in core academic journals and publicly available magazines.

In the field of scientific popularisation, Mr Wang spearheaded “The Voice of Little Lotus” youth nuclear science popularisation volunteer programme, which won multiple awards from the China Association for Science and Technology in its inaugural year and became the first nuclear science popularisation initiative to reach international audiences. He has actively introduced nuclear science to schools, marking a significant milestone with the Introducing Nuclear Science to Schools initiative. Mr Wang was invited to serve as an off-campus mentor for the Chenggong Program at Beijing No. 8 High School. He has consistently released original science popularisation articles and organised the Nuclear Reading for All book-sharing sessions, injecting new momentum into nuclear science outreach.

From 2008 to 2015, Mr Wang worked in intellectual property research and services. As a key contributor, he expanded into new domains and channels, earning two technology awards from the China National Nuclear Corporation (CNNC). Patents under his representation received the China Patent Excellence Award. He has provided dozens of training sessions on intellectual property for industry professionals and intellectual property officers in various institutions.

Mr Wang holds a master’s degree in precision instruments and machinery from Beijing University of Aeronautics and Astronautics.



Véronique Rouyer, Head of the Division of Nuclear Safety Technology and Regulation, NEA

Since 1 August 2019, Ms Véronique Rouyer supports the Director-General of the NEA in enhancing the technical excellence of the Agency's work and ensuring high standards of safety in the use of nuclear energy by supporting the development of effective and efficient regulation and oversight of nuclear installations, and by helping to maintain and advance the scientific and technological knowledge base.

Prior to joining the NEA, Ms Véronique Rouyer was the Safety Research Director in the French Institut de radioprotection et de Sûreté Nucléaire (IRSN), the French Technical Support Organisation to public authorities dealing with radiation protection and nuclear safety. She managed nuclear safety research activities and programmes, including numerous co-operative activities distributed among 16 laboratories including experimental facilities and simulation code development platforms.

In addition, she gained extensive experience in the development and co-ordination of scientific programmes as Deputy Director for the scientific projects, strategy, development and partnerships division, a role she held between 2009 to 2016. Previously, she managed and co-ordinated IRSN criticality safety activities, assuming positions of increasing responsibility over 15 years, including in areas such as nuclear fuel cycle facilities and safety assessment and evaluation of the transport of radioactive materials. She was also very involved in academic and professional training activities. From 1985 to 1994, she conducted lectures and training workshops and was in charge of the INSTN Nuclear Engineering Master's Degree (Institut National des Sciences et Techniques Nucléaires – the benchmark institute for education and training in nuclear science and technology).

Ms Véronique Rouyer holds a masters in chemical engineering from the Polytechnic Institute of Toulouse and a postgraduate master's degree in nuclear engineering from the INSTN.



Redouane El Ghalbzouri, Administrator and Nuclear Safety Specialist, NEA

Since December 2023, Mr Redouane El Ghalbzouri has served as a nuclear safety specialist and administrator in the NEA Division of Nuclear Safety Technology and Regulation.

He graduated in 2017 with a master's degree in engineering from Ecole des Mines de Douai. He then joined the French nuclear safety authority (ASN), the organisation in charge of regulatory control of nuclear safety and radiation protection, as a nuclear safety inspector in the nuclear power plant department.

During his six-year journey at the ASN, Redouane notably took part in the assessment of the commissioning license application of the EPR of Flamanville. He was also in charge of activities related to small modular reactors (SMRs) and involved in several international activities, chairing the 1st phase of the Nuward Joint Early Review and representing the ASN in several working groups at the NEA and IAEA.

At the NEA, Redouane is notably supporting the Working Group on Policy and Licensing (WGPL), the Expert Group on SMRs (EGSMR) and the Framework for Understanding Nuclear SEcURITY challenges and implementation (FUNSEC) joint project.



Marina Demeshko, Nuclear Safety Specialist, OECD-NEA

Ms Marina Demeshko joined the Nuclear Energy Agency in November 2018 as a nuclear safety specialist.

In her present role, Ms Demeshko is primarily managing and providing support to the Multinational Design Evaluation Programme (MDEP) and its working groups, as well as to the Risk and Safety Working Group (RSWG) of the Generation IV Forum. Ms Demeshko has more than 15 years of experience in nuclear research, engineering and safety regulation. Prior to her current position she had worked at the Joint Institute for Nuclear Research, Russia, at Osaka University, Japan, in the engineering division of Rosatom and at the Technical Support Organisation (TSO) of Rostechnadzor, Russia.

Ms Demeshko holds a PhD in engineering from Osaka University and a masters in physics from Ural State University-UPI of Yekaterinburg.

NEA publications



Summary Report – International Conference on Regulators’ Views and Priorities on Nuclear Safety and Radiation Protection



CSNI Technical Opinion Paper No. 21: Research Recommendations to Support the Safe Deployment of Small Modular Reactors



Practices for Enhancing Leadership for Safety in Nuclear Regulatory Bodies



Characteristics of a Trusted Nuclear Regulator



The Mutual Impact of Nuclear Regulatory Bodies and License Holders from a Safety Culture Perspective



Harmonising the Nuclear Licensing Process for Emerging Technologies: A Global Path Forward



Methods for Assessing and Strengthening the Safety Culture of a Regulatory Body

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