

## SPEAKERS' BIOGRAPHIES

William D. MAGWOOD, IV

Director-General, OECD Nuclear Energy Agency (NEA)



Mr Magwood took up his duties as Director-General of the Nuclear Energy Agency (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, environment, education, and technology policy issues. From 1998 to 2005, Mr Magwood was Director of the US Government's civilian nuclear energy programme at the US Department of Energy (DOE). During his tenure, he established the Idaho National Laboratory; created activities that reversed the decline of US nuclear technology education; and launched important initiatives such as the Generation IV International Forum (GIF) and the US "Nuclear Power 2010," which helped restart nuclear plant construction in the United States. He was also actively involved in the work of the NEA, serving as a Steering Committee Bureau member from 1999 to 2005, including a term as Chair of the Steering Committee from 2004 to 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 degrees in Physics and English from Carnegie Mellon University and a Master of Fine Arts from the University of Pittsburgh.

## Peter PROZESKY

### Chief Executive Officer, World Association of Nuclear Operators (WANO)



Peter Prozesky was appointed WANO Chief Executive Officer (CEO) in December 2015 and officially took up the position on 1 January 2016.

Peter has 38 years of experience in the power generation business, starting his career with Eskom in 1979, at Koeberg Power Station in South Africa where he performed various roles. In 1989, he went on sabbatical to the nuclear division of Taiwan Power Company, studying management techniques and plant operations.

On his return from Taiwan, Peter worked at Eskom until 2005 in positions including Plant Manager of Matla Power Station, Plant Manager of Koeberg Power Station, Site Vice President of Koeberg Power Station, and Generation Safety and Assurance Manager.

In 2005, he joined British Energy, which later became EDF Energy, as Head of Operations (East). He later occupied roles including Head of Supply Chain and Outage Management; and Chief Nuclear Officer responsible for corporate oversight of Sizewell, Torness and Heysham B nuclear power plants. In 2013, he became Continuous Improvement and Operations Support Director, before leaving to join WANO.

Peter has a Bachelor of Science degree (with Honours) in Electrical Engineering from the University of Cape Town; a Master of Science degree in Nuclear Reactor Science and Engineering from the University of London; a Business Management Diploma from the University of Stellenbosch; and a Senior Reactor Operator's Licence.

## Greg RZENTKOWSKI

Director, Nuclear Installation Safety  
Department of Nuclear Safety and Security  
International Atomic Energy Agency (IAEA)



Greg Rzentkowski joined the IAEA as Director of Nuclear Installation Safety in 2015.

Greg has over 35 years of experience in mechanical and nuclear engineering. He began his nuclear career in 1989 in Ontario Hydro, Canada, as a Senior Research Engineer. Since joining the Canadian Nuclear Safety Commission in 1995, he has held progressively responsible positions in management of technical and regulatory programs. In 2008, he was named Director General of the Directorate of Power Reactor Regulation. He also chaired the Fukushima Task Force which developed Canada's action plan for implementation of safety improvements.

Greg holds a Doctor of Philosophy in Mechanical Engineering and has served as Adjunct Professor at McMaster University in Hamilton, Canada. He published several research papers in scientific journals and conference proceedings, and proprietary reports prepared for the Nuclear Industry.

Daniel IRACANE  
Deputy Director-General and Chief Nuclear Officer  
OECD Nuclear Energy Agency (NEA)



In May 2016, Daniel Iracane, French national, joined the OECD Nuclear Energy Agency (NEA) as Deputy Director-General and Chief Nuclear Officer.

Prior to taking up this role, Dr Iracane was the Deputy Director of the International Affairs Division of France's Commissariat à l'énergie atomique et aux énergies alternatives (CEA).

Earlier, Dr Iracane served as director of the project to construct the CEA Jules Horowitz Reactor, a new high-performance material testing facility, being in charge of the international partnership, the construction and the future utilisation of this facility.

He has also led research programmes in the context of the French national program dedicated to long-term management of nuclear wastes.

Graduated from the French École Polytechnique and having earned a PhD in theoretical physics, Daniel Iracane joined the CEA to develop fundamental studies in the field of high energy physics.

Philip K. RUSSELL  
Director, Plant Operations Industry Strategy Division (INPO)



Philip Russell is the Plant Operations director in the Industry Strategy Division. He was promoted to this position in April 2018.

Mr. Russell joined INPO in April 2008. Previous positions include corporate performance director, plant operations department manager, team leader, performance improvement senior evaluator. He was previously assigned as industry loanee as an operations senior evaluator from 2003 to 2005.

Prior to joining INPO, Mr. Russell worked for 17 years for Entergy at the River Bend Station as well as the James A. FitzPatrick Nuclear Power Plant and held positions in Operations, Engineering, and Corrective Action. He served in the U.S. Navy nuclear program on submarines.

He received a bachelor's degree in nuclear engineering from the University of Illinois at Urbana-Champaign and a master's degree in business administration from Louisiana State University in Baton Rouge. He received BWR senior reactor operator license at the James A. FitzPatrick Nuclear Power Plant.

Mike HARRISON

Chief Nuclear Officer, EDF Energy Region, United Kingdom



Mike has enjoyed a long, wide ranging and diverse career within the UK nuclear industry culminating in the appointment as Chief Nuclear Officer for the EDF Energy Region 1 fleet of nuclear power stations in January 2018.

Mike's professional qualifications include a BSc in Mechanical Engineering from the University of Leeds and an MBA in Business Administration from Henley Management College.

Katarina HOLMBERG  
Fortum, Finland



Katarina Holmberg works in Fortum's Loviisa nuclear power plant in Finland. She has worked in her current position as a senior specialist in Human Resource Development for three years. Prior to this, she was a specialist in HRD and a training instructor at Loviisa power plant. Ms. Holmberg has also worked as a technical translator at Fortum, her experience in the company adds up to 14 years. The main responsibilities of Ms. Holmberg are within knowledge management, and she also takes part in Nordic co-operation within competence development. In addition to this, her tasks in Fortum include reviewing organizational behaviour in the power plant's internal operational event report investigations.

Andrew JAKEWAYS

Project Inspector, Office for Nuclear Regulation (ONR)



Andy Jakeways is a Project Inspector for ONR, leading the assessment and permissioning activities on the Sellafield Legacy ponds.

Since joining ONR in 2011, Andy has held a number of regulatory roles including:

- QA specialist assessor
- Site Inspector for Sellafield Decommissioning
- Nominated Site inspector for 3 Magnox decommissioning sites (Dungeness A, Sizewell A and Bradwell)

Prior to joining ONR, Andy spent 15 years working at RollsRoyce in a number of engineering, Quality and manufacturing support roles across the Aerospace, Marine and Nuclear sectors.

Andy Has BSc in Chemistry and Msc in Quality & Business Excellence.



Uwe STOLL

GRS gGmbH, European Technical Safety Organisations Network (ESTON)



Uwe Stoll is the Scientific and Technical Director of Gesellschaft fuer Anlagen- und Reaktorsicherheit (GRS), the leading Technical Support Organization of the German Federal Government.

He was educated at the Moscow Power Engineering Institute receiving a Degree (Dipl.-Ing.) in nuclear engineering.

After five years of working in thermal hydraulic research at the University of Zittau he joined Siemens/KWU. In the 25 years working in industry in different position (e.g. project engineer, supervisor for plant commissioning, project management, top management etc.) his main focus was always nuclear safety. Starting with deterministic safety analyses and the analysis of all types of events in NPP's he was finally responsible for the whole design, inspection and commissioning engineering inside the German part of AREVA.

He was more than 10 years member (2 years as head) of the Steering Committee of German nuclear ruling organization KTA. He is a member of the German Reactor Safety Commission and head of their subgroup "Electrical and I&C".

Rachel CURTIS  
Office for Nuclear Regulation (ONR)



Rachel joined the nuclear industry in 2015, after graduating from the University of Leicester with First Class Honours in Geology (MGeol). From 2015-2017, Rachel was a member of the nucleargraduates scheme, sponsored by the Office for Nuclear Regulation. During the nucleargraduates scheme, Rachel completed secondments at the Office for Nuclear Regulation, EDF Energy and the Department for Business, Energy and Industrial Strategy. Rachel also completed a Postgraduate Certificate in Nuclear Technology from the University of Manchester in September 2017. In October 2017, Rachel rejoined the Office for Nuclear Regulation as a Nuclear Associate, as a member of the External Hazards team. Rachel is currently working towards becoming a Nuclear Safety Inspector.

Bruno FILLON

Électricité de France (EDF)



Bruno Fillon has been working at EDF for more than 30 years, most of which have been in operation. After starting as a safety engineer, he held expert and management positions in the field of plant operation. He then held positions as project manager and expert in the field of nuclear safety at corporate level. After various positions in the fields of HR strategy and skills management, he is now WANO Interface Officer, in charge of the liaison between EDF and WANO to ensure the fluidity of exchanges and in particular to ensure the smooth running of Peer Reviews and assistance missions.

Dan BIGU,  
Plant Director, Cernavoda Nuclear Power Plant, Romania



Born on May 24, 1958, graduated as Engineer, Energy Faculty, Nuclear Power Plants Specialization from the Bucharest Polytechnic Institute in Romania. Career starts in 1986 at Cernavoda NPP; a variety of positions held from responsible for Turbine and Generator installation activities, Commissioning activities and Operations Support, Licensed Shift Supervisor, Operations Manager, Maintenance Manager to Production Manager.

In 2016 assigned as Station Director at Cernavoda NPP and main responsibilities being to ensure safe and efficient operation, outages preparation and execution, to establish the strategy to achieve goals and objectives as well as the process to monitor results achievement and establish corrective actions, to ensure openness to international experience and maintain close contacts with external organizations, to coordinate the development of various programs and processes at the Station Level: Training and Qualification for Operations Personnel, Human Performance, Self-assessment, 5 Years Station Development Strategy (Business Plan).

In 2018 appointed as SVP /CNO at Cernavoda NPP.

Cosmin GHITA

CEO, S.N. Nuclear Electrica, Romania



Cosmin Ghita is the CEO of Nuclearelectrica starting with 02.09.2017. Mr. Ghita has a major in economics and an international education experience shared between Romania and the United States of America. His fields of expertise include economic strategies, international affairs, energy markets, large investment project development and risk analysis, structuring of market capitalization strategies, international relations and affairs, public-private partnerships, both in the state and private sectors. Mr. Cosmin Ghita has started his career within Chevron USA's Washington DC office and contributed to the formation of AMRO. He then moved with Chevron's country entry team in Romania, then moved as Partner within Amerocap and Manager in Medtronic Romania and then to the Romanian Government as advisor to the Prime Minister on energy market and security of supply. Mr. Ghita is involved in volunteering and academic activities, as the co-founder of Aspire Academy, a leadership and business summer program led by Harvard and Ivy League Professors in Romania.

Leon Cizelj  
European Nuclear Education Network (ENEN)



Ph. D. in Physics from the University in Ljubljana in Slovenia in 1993. More than 30 years of experience in R&D and education in nuclear engineering. Since 2010, head of Reactor Engineering Division at the Jožef Stefan Institute, Slovenia, responsible for daily and strategic management of the research division active in the nuclear engineering and safety, including integrity and ageing of materials and structures, nuclear thermal hydraulics, severe accidents and probabilistic safety analyses. Since 2000, Leon is a part time professor (full professor since 2016) of nuclear engineering at the University of Ljubljana, Slovenia. Co-author of a large body of scientific and technical literature and has a track record of more than 100 interventions on nuclear energy in the Slovenian mass media.

President of the European nuclear education network (ENEN, 2016-2019) and has been active in governance in industry (supervisory boards), management boards of professional societies and boards shaping national and international research and educational strategies.

## Jean-Christophe NIEL

Director General, Institut de radioprotection et de sûreté (IRSN)

Chair, Committee of safety of nuclear installations (CSNI)



Dr Jean-Christophe NIEL has a long experience in the control of nuclear safety and radioprotection through various positions at the French technical safety organization IRSN and at the French nuclear safety authority ASN.

Before becoming DG of IRSN 3 years ago, he was DG of ASN for almost 10 years.

He currently chairs the CSNI, the Committee of safety of nuclear installations of the Nuclear energy agency.

M. Jean-Christophe NIEL a une longue expérience dans le contrôle de la sûreté nucléaire et la radioprotection à travers différents postes au sein de l'IRSN, l'organisme français d'expertise et de recherche en sûreté, et l'ASN, l'autorité française de sûreté nucléaire.

Avant de devenir le Directeur Général de l'IRSN il y a 3 ans, Jean-Christophe NIEL a été le Directeur Général de l'ASN pendant environ 10 ans.

Il est également Président du CSNI, "Committee of safety of nuclear installations" de l'Agence de l'Energie Nucléaire.

Petteri TIIPPANA,  
Director General, Professor  
Radiation and Nuclear Safety Authority (STUK), Finland  
Chair, Committee on Nuclear Regulatory Activities (CNRA)



Mr. Tiippana was born in Joensuu, Finland, on 11th July, 1972. He completed his studies of

power plant engineering with a Master of Science degree at Lappeenranta University of Technology (LUT) in 1997.

Mr. Tiippana joined the Finnish Radiation and Nuclear Safety Authority in May 1996 and has had various positions at STUK during his career. From August 2013 he was appointed as the Director General of STUK - Radiation and Nuclear Safety Authority, until February 2024. Before that

Mr. Tiippana was the Director of the Nuclear Reactor Regulation.

His career history includes active participation in the work of the OECD/NEA, the IAEA and EU. He is the chair of the Committee on Nuclear Regulatory Activities (CNRA) of the OECD/NEA. Further Mr. Tiippana is a member of the IAEA/CSS, ENSREG and WWER Forum.



Ee Jane LOW

Fuel Route Mechanical Engineer,  
EDF Energy, United Kingdom



Ee Jane Low (刘毓沁 liú yù qìn), is from Malaysia and works in the UK as a Fuel Route Mechanical Engineer in EDF Energy. She joined the EDF Energy graduate scheme in 2013 after graduating from the University of Manchester. Her work involves supporting safe fuel route operations for the UK nuclear power stations. She is also passionate about personal development among colleagues. This led to the start-up of the EDF Energy Young Professionals Network, which she co-founded and currently chairs. The target audience, Young Professionals, is not defined by age but the knowledge gap and those eager to learn. She created the brand “Learn, Lead and Connect” forming the underlining ethos of the network inspiring colleagues

across the UK, promoting knowledge sharing and reverse mentoring. Ee Jane was also the 2018 Young Generation Lead for the World Association of Nuclear Operators and in 2019; she is shortlisted for the Young Energy Professional Diversity and Inclusion Focus Award. Ee Jane aspires to further study in Masters of Business Psychology. This enriches her engineering skillsets and compliments her continuous Learning on becoming an excellent Leader and improving Connectivity between the needs of the people, the organization and the industry – Learn, Lead and Connect.