



INTERNATIONAL FRAMEWORK FOR NUCLEAR ENERGY COOPERATION FINANCE WORKSHOP

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Speaker/Expert Biographies



Prof. Kamal J. ARAJ

Vice Chairman & Commissioner for International Cooperation, Jordan Atomic Energy Commission

In this position, Dr. Kamal Araj is responsible for all international cooperation agreements and activities and liaison with IAEA and international organizations. He is also the project manager for the Jordan Nuclear Power Plant. Prior to his current role, Dr Araj served as the Government Advisor for Nuclear Energy and as the scientific advisor for King Abdullah Development Bureau (KADDB).

Before returning to Jordan in 2006, Dr. Araj worked as a senior policy and planning advisor at the IAEA in Vienna for five years. Prior to that, Dr. Araj was an international consultant in energy and advanced technology in Washington, DC. Among his clients were the management consulting firm, RCG/Hagler, Bailly, Inc., XERAD, Inc., the BDM Corporation, Argonne National Laboratory, and the U.S. ACDA. Prior to that, Dr. Araj held academic and research appointments at MIT, Harvard University, Brookhaven National Laboratory and U.S. National Academy of Sciences.

Dr. Araj received both his B.S. in physics and B.S.E. in nuclear engineering from the University of Michigan, Ann Arbor. He obtained his Ph.D. at M.I.T. in nuclear engineering with a minor in energy technology and policy.



Mr. Ichiro ASAZUMA

General Manager, Hitachi-GE Nuclear Energy, Ltd.

Mr. Ichiro Asazuma has more than 20 years experience with nuclear related business. He was responsible for the procurement of nuclear fuel, such as uranium concentrates, enrichment services, and fabrication services, representing a Japanese utility. For three years, he was based in London and reported to Tokyo on European Power Business, including climate change and energy security issues.

Now, Mr. Asazuma works for Global Business Operations Division, Hitachi-GE Nuclear Energy Ltd. located in Tokyo.

He has a Bachelor's degree of Commerce & Business, Keio University, and a Master's Degree of International Relations, International University of Japan.



Mr. James ASSELSTINE

Managing Director, Barclays

Mr. James Asselstine is a Managing Director and senior fixed income research analyst covering the electric power industry at Barclays. Mr. Asselstine is responsible for fixed income research coverage of more than 100 investment grade-rated electric utility holding companies, operating companies, and independent power producers. Mr. Asselstine also serves as a member of the Nuclear Advisory Committee for Constellation Energy Nuclear Group, a joint venture of Exelon Corp. and Electricité de France, and a member of the Nuclear Advisory Committee for UniStar Nuclear Energy, LLC, a subsidiary of Electricité de France established to develop new nuclear power plants in the United States.

Prior to joining Barclays in September 2008, Mr. Asselstine was a senior fixed income research analyst covering the power industry at Lehman Brothers for more than 18 years. While at Lehman Brothers, Mr. Asselstine was the global head of high grade credit research for six years, and was a member of the firm's Investment Banking Division Commitment and Bridge Loan Committees for two years.

Mr. Asselstine served as a Commissioner on the U.S. Nuclear Regulatory Commission from 1982 to 1987. From 1978 to 1982, he served as Associate Counsel for the U.S. Senate Committee on Environment and Public Works. While on the staff of the committee, Mr. Asselstine also served as a Co-Director of the committee's investigation of the Three Mile Island nuclear power plant accident.

From 1977 to 1978 and from 1973 to 1975, Mr. Asselstine served as a Staff Attorney with the U.S. Nuclear Regulatory Commission, and from 1975 to 1977, he served as Assistant Counsel for the Joint Committee on Atomic Energy of the U.S. Congress.

Mr. Asselstine holds a B.A. degree in Political Science from Virginia Polytechnic Institute, and a J.D. degree from the University of Virginia.



Mr. Chris Bakken

Project Director – Hinkley Point C, Nuclear New Build UK, EDF Energy

Mr. Chris Bakken was appointed as project director – Hinkley Point C, Nuclear New Build in March 2011. Prior to that Mr. Bakken held the position of director of operations, safety and licensing for EDF Energy in June 2009, coming from British Energy where he was chief nuclear officer region 1 since June 2006. Mr. Bakken was formerly president and chief nuclear officer of PSEG Nuclear in the U.S. and prior to that, senior vice president and chief nuclear officer at American Electric Power (AEP) in Michigan. Chris earned a master’s degree in industrial administration from Carnegie Mellon University, and a Bachelor’s degree in electrical engineering from Grove City College. He also obtained his senior reactor operator license during his service at the Beaver Valley power station in the U.S.



Dr. Nadira BARKATULLAH

Energy Economist, Planning and Economic Studies Section, Department of Nuclear Energy, International Atomic Energy Agency (IAEA)

Dr. Nadira Barkatullah has Masters in Economics from Carnegie Mellon University, USA and a PhD in Economics from the University of Sydney, Australia. Dr. Barkatullah is a specialist economist in infrastructure financing and regulated utility industries, having more than fifteen years of experience in applying economic concept and conducting quantitative analysis while working on projects around the globe, advising both governments and major organization. Dr. Barkatullah is currently working for the International Atomic Energy Agency (IAEA), where she is working on financing and investment analysis of capital intensive infrastructure projects, energy and sustainable development issues. She is also representing the Agency at various expert advisory committees, like the OECD Working Party on Nuclear Energy Economics.

Prior to joining the IAEA she was the former Divisional Director of London Economic’s London-based international utilities practice and London Economics’ associate practice for the Asia Pacific region, leading local and international projects in the infrastructure industries in relation to various issues, including, cost of capital analysis, evaluations of various funding options, tariff design, market reform, efficiency analysis, market performance, third party access, competition and liberalization. She also has several years of experience as an economist while working as Senior Manager for KPMG Australia and ACIL Consulting, as well as for Sydney Water and Energy Australia.



Mr. George BOROVAS

Partner, Head of International Nuclear, Pillsbury Winthrop Shaw Pittman LLP

Mr. George Borovas heads Pillsbury’s international nuclear projects team and is based in London.

Mr. Borovas concentrates his practice on international nuclear transactions and the development of new nuclear energy projects. He is currently advising governments on the development of civilian nuclear power programs. He has worked in projects and transactions in the U.S., Europe, the Middle East, Japan, South Korea, Southeast Asia, Australia, China, Russia and South Africa and frequently lectures in conferences worldwide with respect to the global nuclear industry.

His clients include electric utilities, governments, nuclear power plant vendors and equipment suppliers, investment banks, universities, trading companies and other major companies involved in the energy industry. He regularly negotiates contracts and advises companies on the establishment of joint ventures relating to the global nuclear industry as well as on transactions for the trading of fuel, equipment and services for nuclear power plants. He advises companies on international nuclear liability and export compliance issues and has represented buyers in transactions involving the acquisition of nuclear power plants.

Mr. Borovas has also advised U.S. and foreign companies on the U.S. Department of Energy (DOE) loan guarantee program for new nuclear power construction.

Before attending law school, Mr. Borovas was a chemical engineer for a power plant engineering firm.



Mr. Jay BRISTER

Vice President of Global Business Development, Nuclear Business Group, CH2M HILL

Mr. Jay Brister is the Vice President for CH2M HILL’s nuclear power organization. With over 31 years of experience in a broad range of domestic and international civil nuclear power activities, Mr. Brister is currently responsible for CH2M HILL’s nuclear power global business development. Previously, Mr. Brister provided corporate development support (operational and maintenance joint ventures, financing support), developed the operational components of the \$20B USD procurement and was responsible for assisting the Emirates Nuclear Energy Corporation (ENEC) Program for the United Arab Emirates (UAE) in the development of its capacity building strategy and educational infrastructure for Abu Dhabi to support a new nuclear industry. His recent leadership support to the ENEC provided invaluable support to the initiation of

its multi-unit civil nuclear power program, with an initial complement of four NPPs by 2020, and potential expansion over the next two decades.

His broad experience in the nuclear industry ranges from nuclear operations (a former licensed operator) to acquisition of nuclear generation assets for utilities. He has been very involved in the development of new nuclear generation opportunities domestically and internationally. He has conducted nuclear power feasibility studies, risk analyses, reactor vendor negotiations, cost analysis of competing nuclear technologies, coordination of activities between nuclear and generation planning, and state and federal regulatory strategy development.

He has a B.S. degree from Thomas Edison State College in Trenton, N.J with a major in Nuclear Engineering Technology.



Dr. Al BURKART

Deputy Director, Office of Nuclear Energy, Safety and Security, Bureau of International Security and Nonproliferation, U.S. Department of State

Dr. Al Burkart is Deputy Director of the Office of Nuclear Energy, Safety and Security, Bureau of International Security and Nonproliferation, Department of State. He has been with the U.S. Government for over 35 years in a variety of positions related to nuclear weapons, nuclear energy and nuclear nonproliferation. His particular current areas of focus are international nuclear cooperation, proliferation resistance and advanced nuclear technologies. He currently serves as Co-Chairman of the Infrastructure Development Working Group of the International Framework on Nuclear Energy Cooperation (IFNEC) and is a member of the IAEA's Technical Working Group on Nuclear Power Infrastructure. He is a member of the American Nuclear Society and has served on the Special Committee on Nuclear Nonproliferation and the International Committee.

Dr. Burkart has a B.S. and a Ph.D. in Nuclear Engineering from North Carolina State University. He is also a Distinguished Graduate of the Industrial College of the Armed Forces. He is a licensed Professional Engineer in the State of Virginia.



Ms. Anita CAPOFERRI

Deputy Assistant General Counsel for Civilian Nuclear Programs, Office of General Counsel, U.S. Department of Energy

Ms. Anita Capoferri has over 20 years of experience with the U.S. Department of Energy in the field of energy law, with an emphasis on areas related to nuclear energy programs and regulation, radioactive waste management, nuclear liability, nuclear nonproliferation, environment, administrative procedure, and litigation.

Ms. Capoferri holds a B.A. degree in Philosophy from the University of Pittsburg and a J.D. degree from the University of North Carolina.



Mr. Carl CHO

Industry Specialist - Power & Utilities, Citigroup Global Markets, Inc.

Mr. Carl Cho provides Power-related industry content and client relationship support to Citi's Corporate and Investment Banking regional offices, most recently in South Africa, Latin America, Southeast Asia, Hong Kong, mainland China, and Central and Eastern Europe. Recent topics of discussion with clients have included: cross-border investment in thermal and renewable generation, regulatory and power market criteria conducive to outside capital, new nuclear financing considerations, and rating agency and funding capacity analysis.

Mr. Cho is also responsible for Specialized Industry approval on corporate and project financings in the Power & Alternative Energy sectors, opining on the financial, technical, regulatory, market and environmental aspects of corporate debt, project finance, leveraged finance, leasing, tax equity and structured commodities transactions.

Prior to assuming the Industry Specialist role in 2011, Mr. Cho was a Senior Credit Officer and the Portfolio Manager for the Power sector in North America. He also spent 12 years in Structured Finance developing, marketing and executing joint venture and lease financings primarily for Energy and Power clients.

Mr. Cho attended the University of Pennsylvania, where he graduated with a BA in Sociology in 1986.



Mr. Adrian COLLINGS

Senior Adviser, World Nuclear Association & Director, World Nuclear University Summer Institute

Mr. Adrian Collings has worked on international matters in the nuclear industry for the past twenty-five years. Between 1987 and 1997 he was Head of International Relations in the Central Electricity Generating Board and Nuclear Electric (subsequently British Energy). Between 1987 and 1990 he worked closely with the late Lord Marshall on the establishment of the World Association of Nuclear Operators (WANO). He was also responsible for establishing and managing the Nuclear Electric/British Energy Office in Brussels. From 1997-2000, he worked as an independent consultant, advising Japanese and UK companies on European energy policy developments.

At the end of 2000, he joined the World Nuclear Association, as Director of Policy Development. Since 2010, he has been Senior Adviser at the World Nuclear Association and Director of the World Nuclear University Summer Institute.



Mr. Chris CONBOY

Regional Head of Nuclear, Middle East, Atkins Global

Mr. Chris Conboy is a Chartered Chemical Engineer and Regional Head of Nuclear for Atkins in the Middle East. His responsibilities encompass all aspects of the Atkins nuclear business in the region, including strategy setting, business development, bidding, client relationship management and project delivery.

Mr. Conboy is also a member of the UAE-UK Joint Economic Committee sitting on the Energy Working Group.

Mr. Conboy is an experienced leader and project manager with a proven track record in the delivery of projects to cost, quality and schedule.

Prior to his role in the Middle East Mr. Conboy was a senior member of the Atkins nuclear business in the UK where he ran one of their operations. He was responsible for leading a multimillion pound business comprising a multidisciplinary team of engineers, scientists and project managers delivering projects to nuclear new build, generation, decommissioning and cleanup, and defence clients.



Ms. Karen DAWSON

Director, Energy & Utilities, PricewaterhouseCoopers

Karen Dawson is a Director in PricewaterhouseCoopers London based Energy & Utilities Strategy centre of excellence. She has over 20 years of experience in the provision of strategic, commercial and financial advice to participants and stakeholders in the sector. She specializes in leading large, complex assignments covering restructuring, market development, regulatory change and IPP transactions and has worked in over 30 countries worldwide.

In the nuclear sector, her clients have included Government, regulators, nuclear generators and nuclear service companies across Europe and further afield. She has advised on a wide range of issues relating to the position of nuclear generation in changing markets and on issues impacting different components of the nuclear life cycle. Examples include advising utilities on the development of new approaches to contracting, risk assessment and risk mitigation for new nuclear build, the role of existing nuclear plant as competitive generation markets develop over time and the determination of appropriate contracting, pricing and bidding strategies to achieve company objectives. She has advised on the issues associated with setting up funded decommissioning plans, adaptation of performance measurement strategies as regulatory and market conditions change and on the valuation of nuclear assets and contract portfolios.

Karen is a mathematician by background with a degree in Mathematics with French from London University, Westfield College and an MSc in Management Science from London University, Imperial College.



Ms. Maëlia DUFOUR

Head of Department Key Accounts, State Guarantees Directorate, Coface

Ms. Maëlia Dufour has been working in Coface State Guarantees Department since 1984 and has a worldwide experience working on export credit guarantees and dealing with exporters, banks and foreign buyers on commercial and financial projects.

Ms. Dufour has worked in all the geographic departments of Coface as well as in the Military Affairs Department.

She was the Head of Certification ISO 9001 project for Coface State Guarantees Department and then became Head of the Clients requests, Quality and Statistics Department.

In 2006, Ms. Dufour rose to the position of Head of Division of Paris Club Rescheduling Agreements.

In 2007, she became the Head of Division of geographic desks (Africa, Americas, Asia, Europe and Oceania), and since 2008 is Head of Division of Key Accounts (Energy and nuclear power, Telecom, Space, Project Finance, Engineering, Buildings, Public works and Capital goods).

She has represented Coface in several missions in China, Russia, Brazil, and Iran and since 2008 has participated as a speaker in several international conferences including Trade and Project Finance in Moscow, Middle East Project Finance in Manama and Dubai, Exporta Conference in Cape Town and Global Annual Export Finance Conference in Berlin. She has participated in the Bern Union Workshop on Project Finance in Amsterdam and a specific nuclear business trip in South Africa.

She holds a Master Degree in Economics and International Business obtained from Paris-Sorbonne University, France.



Ms. Jessica FARMER

Director, Structured Finance Division, Export-Import Bank of the United States

Ms. Jessica Farmer joined Ex-Im Bank in 2000 under a year-long Associate program. In 2001 she joined the Bank's Asset Management Division as a Loan Officer, and in 2003, Ms. Farmer joined the Project Finance Division, now known as the Project and Structured Finance Division. She was promoted to Director, Project and Structured Finance Division in March of 2011.

In her time in the Project and Structured Finance Division, Ms. Farmer has worked on a range of project structures in a host of industries and countries. In 2006 she received Board approval for a \$500 million Ex-Im Bank loan guarantee to support the construction of the Reliance Petroleum Ltd. refinery project in Jamnagar, India, which is now part of largest refinery complex in the world. Ms. Farmer also currently manages the Bank's exposure to its largest borrower, Petróleos Mexicanos (Pemex) of Mexico, and has underwritten over \$6.4 billion in loans and guarantees to assist in Pemex's oil and gas exploration, production and refining processes.

Today, in addition to negotiating loans for the Bank's largest customers, and creating responsive credit structures for target markets and customers, Ms. Farmer also supervises underwriting of project and structured financings across a staff of eight.

Before joining Ex-Im Bank, Ms. Farmer served for two years as a Peace Corps volunteer in Mauritania, West Africa. She holds a Bachelor of Arts degree in French Literature, Cum Laude, from the University of Colorado at Boulder and a Master in International Affairs, specializing in Economic and Political Development and International Finance, from the School of International and Public Affairs at Columbia University in New York.



Mr. Tim FAYERS

Senior Vice President, Risk Management Practice, Marsh Limited

Mr. Tim Fayers is a senior vice president in the Power Nuclear Utilities & Mining team of the Risk Management Practice of Marsh Ltd in London and a member of the global Marsh Nuclear Practice, advising operators, contractors and regulatory authorities on the insurance aspects of working in a nuclear environment globally.

Mr. Fayers is a Fellow of the Chartered Insurance Institute and a Chartered Insurance Practitioner with over 40 years insurance industry experience. Mr. Fayers has worked in the UK, Jamaica, Botswana, Indonesia and Japan, on a wide range of complex multinational insurance programs.



Mr. Daniel GROSVENOR

Partner, Head of Nuclear, Deloitte UK

Mr. Daniel Grosvenor leads the UK firm's work in the nuclear sector and is a partner in Deloitte's Corporate Finance Energy and Resources team. During his career Mr. Grosvenor has advised Governments, utilities and the supply chain in the international nuclear industry throughout the nuclear life cycle from nuclear new build to decommissioning and waste management. His work has included feasibility studies, funded decommissioning programs, financing plans, M&A transactions as well as advising the UK Government on the restructuring of the civil nuclear industry. Mr. Grosvenor's work has involved advising clients in the UK, Middle East, Japan, Poland, Slovakia, China and USA.



Mr. Peter HALL

Partner, Norton Rose LLP

Mr. Peter Hall is based in London but his projects portfolio is global. Mr. Hall has extensive legal experience in the nuclear sector. He regularly acts for governments and government agencies as well as utilities, developers and contractors involved in the nuclear industry. His work in the nuclear industry covers the nuclear lifecycle from new build to decommissioning and waste management; including advising on nuclear feasibility studies; financing; contract structures and terms and conditions; nuclear liabilities and insurance; waste management; environmental concerns and advice on regulatory regimes.

Mr. Hall read law at Bristol University and joined Norton Rose in 1985. He obtained an Msc in Construction Law and Arbitration from Kings College, London in 1992 before becoming a partner in 1994. Mr. Hall is a

past lecturer at the Centre of Construction Law and Management at Kings College, University of London and a member of the International Nuclear Lawyers Association.



Ms. Claire HARVEY
Consultant, Prospect Law Ltd

Ms. Claire Harvey joined Prospect Law from U.S. firm Squire Sanders Hammond. She was formerly head of legal at United Kingdom NIREX Limited (formerly the Nuclear Industry Radioactive Waste Executive). Ms. Harvey has specialist expertise of domestic and international Nuclear Regulatory Law including the transport and storage of radioactive substances. She has wide experience advising on the regulatory aspects of Nuclear New Build (including the NPS) and nuclear supply contracts, and of advising Tier 1 contractors in Nuclear Decommissioning. Ms. Harvey also advises on International Law and the application of International Treaties including Nuclear Liability Conventions. She has presented at International Nuclear Lawyers (INLA) Congress, industry and intergovernmental meetings and is a Member of the International Nuclear Law Association and the Nuclear Institute (Management Committees). Ms. Harvey works with INLA, the Nuclear Industry Association, the World Nuclear Association, Ciria and UKELA.



Mr. Paul HOLLIDAY
Managing Director, Construction and Real Estate Practice, Marsh Limited

Mr. Paul Holliday is Managing Director within the Construction and Real Estate Practice of Marsh and has day to day responsibility for the London International Construction Division. He is a specialist in the Power sector with current responsibility for the nuclear sector. Mr. Holliday supplies support to Marsh offices globally and to clients directly in the development, placement and subsequent management of nuclear construction projects.

Mr. Holliday first joined Marsh in 1986 from Gulf Oil Corporation where he had spent 8 years in their Risk and Insurance Division in London handling their onshore and offshore energy risks in Europe, North Sea and Africa. Previously, Mr. Holliday spent 5 years at British Petroleum's captive insurance company specializing in marine and offshore insurance.

Since joining Marsh, Mr. Holliday has been exclusively involved in Energy Construction insurance, latterly specializing in insurance requirements for limited recourse financed, Independent Power Projects. Since 1991, his involvement in the IPP field has encompassed advising Project Developers and Contractors, placement in the insurance market, and acting as Lenders Insurance Advisor.



Dr. Yves KALUZNY
Senior Advisor, International Relations, Commissariat à l'énergie atomique (CEA)

Dr. Yves Kaluzny has held the position of Senior Advisor to the International Relations director of the CEA since 2009, contributing in particular on the nuclear fuel cycle issues. He is currently co-chair of the Reliable Nuclear Fuel Services of IFNEC. Previously, he held several positions in the French Administration and in the nuclear industry. From 1987 to 1991, Dr. Kaluzny worked in the Safety Authority in charge of the licensing of facilities of the fuel cycle and of facilities for radioactive waste management; from 1991 to 1994, he managed the Nuclear Affair Department in the General Directorate for Energy. He was CEO of ANDRA (National Agency for Radioactive Waste Management) from 1994 to 2000 when he joined AREVA in the nuclear fuel division and then as R&D VP of AREVA NP. In 2007, he was appointed as VP in charge of international affairs in the Nuclear Energy Division of the CEA.

Dr. Kaluzny is a graduate of the Ecole Normale Supérieure, and holds a PhD in quantum optic Physic.



Mr. Edward KEE
Vice President, NERA Economic Consulting

Mr. Edward Kee is an expert on nuclear power economics. He provides strategic advice to companies and governments on issues related to nuclear power and the electricity industry.

He has also provided testimony as an expert witness in U.S. state and federal court, before the Federal Energy Regulatory Commission, in international arbitration cases and before other legal and regulatory bodies.

He previously held consulting positions at CRA International; PA Consulting Group; Putnam, Hayes & Bartlett; and McKinsey & Company.

He was a merchant power plant developer before becoming a consultant. During his service as a Naval Officer, he was on the construction/commissioning crew of the USS Carl Vinson (CVN-70) and was qualified as chief engineering officer on Nimitz-class nuclear aircraft carriers.

Mr. Kee holds an MBA from Harvard University and a BS in Systems Engineering (Distinction; Trident Scholar) from the U.S. Naval Academy.



Mr. Michael E. KIRST

Vice President, Strategy and External Relations, Europe, Middle East and Africa, Westinghouse Electric Company

Mr. Michael E. Kirst is the Vice President for Strategy and External Affairs for Europe, the Middle East and Africa. Prior roles in Westinghouse include Vice President for Central and Eastern Europe; Director, Central and Eastern European Fuel for Westinghouse's European Fuel Business and Director, Government and International Affairs for Westinghouse in Washington D.C.

Prior to joining Westinghouse in 1996, Mr. Kirst was Director of the Economic Committee of the NATO Parliamentary Assembly in Brussels, Belgium responsible for advising members of parliament from the NATO member nations and representing the Atlantic Alliance in international fora and throughout the former Soviet Union. Mr. Kirst began his career as a Legislative Aide to Congressman Leon E. Panetta where he was responsible for issues within the jurisdictions of the Budget, Banking and Energy and Commerce Committees.

He is a member of the Executive Committee and Board of Directors of the U.S.-Ukraine Business Council and a member of the Nuclear New Build Working Group of FORATOM in Brussels.



Mr. Tomasz KWIATKOWSKI

Director of Investment, PGE Energia Jądrowa S.A.

Mr. Tomasz Kwiatkowski is an engineer, consultant and manager with 19 years of work experience in utility, oil & gas and heavy industry sectors. He has direct experience in investment preparation and execution, both from technical and economic perspective. Significant knowledge of Polish utility market and issues faced by companies operating in this sector. In the past, Mr. Kwiatkowski was director at PwC Poland, responsible for Polish Utility Sector. Currently, he is an Investment Director at PGE Nuclear.

Mr. Kwiatkowski earned his MBA qualification from Warwick University and B. Eng. in Mechanical Engineering from Newcastle University.



Mr. Hongbo LIU

Deputy Director, Project Appraisal Department I, China Development Bank

Mr. Hongbo Liu is currently the Deputy Director of Division I (one), Project Appraisal Department I (one), China Development Bank. He graduated from Tsinghua University with a Bachelor's degree in Energy, Power System and Automation and then obtained his Masters degree in Engineering Thermal Physics in 2006.

Mr. Liu has been engaged in loan project evaluation for six years in the energy sector including the coal, oil, natural gas, coal chemical, and electric power industries. To date, he has conducted more than 50 loan projects evaluations. More than 50 billion USD long-term and medium-term loans were examined and approved within these projects.



Mr. Paul LUND

Vice President, Senior Credit Officer, Moody's Investors Service

Mr. Paul Lund is a senior analyst in Moody's Project and Infrastructure Finance Group, which he joined in May 2011. He is lead analyst for the Scandinavia based utilities, and is involved in seaport ratings, complex infrastructure transactions and project finance.

Before joining Moody's, Mr. Lund was at Standard & Poor's Ratings Services, where he was a senior analyst, covering utilities, infrastructure companies and project finance transactions. During his career there, Mr. Lund coordinated global utilities outreach, and spearheaded the credit analysis of renewable energy regulation, before becoming team leader for the cross practice Whole Business Securitisation and Real Estate groups.

Prior to that, Mr. Lund worked at The Long-Term Credit Bank of Japan as a utility and project finance analyst, and in the capital management function at NatWest Markets corporate banking group.



Mr. Cristian MACOVEI

Vice President, Nuclear Agency & Radioactive Waste, Romania

Mr. Cristian Macovei was appointed as Vice President of Nuclear Agency & Radioactive Waste on December 23, 2010. Previously, between April 10, 2009 and the date of appointment to current position, he was Director of Cabinet of the President of Nuclear Agency President.

Chemist by profession, Cristian Macovei graduated "High School of Informatics" in Bucharest (1992-1996), and the Chemistry Faculty at Polytechnic University of Bucharest (general studies from 1996 to 1998).

Between 1999-2002 he attended the Faculty of Chemistry at the University "Pierre et Marie Curie Paris VI", where he earned successive degrees of BSc, MSc and diplôme d'études approfondies in the field. In 2008 he earned a PhD in chemistry at Paris Sud Orsay University.

Between 2005 and 2008 he worked as a researcher at the Atomic Energy and Alternative Energies Commission (CEA) in Saclay, France.

He speaks English and French fluently.



Mr. John MATHIESON

Head of International Relations, UK Nuclear Decommissioning Authority (NDA)

Mr. John Mathieson is the Head of International Relations with the UK's Nuclear Decommissioning Authority (NDA) accountable for developing and implementing its international relations strategy. He is responsible for understanding the nuclear power and radioactive waste management policies and programs in other countries and identifying opportunities for technical co-operation. He is further responsible for managing the relationships with counterpart organizations such as the U.S. DOE.

Mr. Mathieson is co-chair of the Infrastructure Development Working Group of the International Framework for Nuclear Energy Cooperation. He also works closely with the IAEA and OECD / NEA, participating in a number of expert missions, technical meetings and working groups. Mr. Mathieson is the UK representative on the European Union's Club of Waste Management Agencies.

Mr. Mathieson has also worked with other EU nuclear and radioactive waste management organizations in assisting the governments of many Central and Eastern European countries, and Russia and Ukraine, develop their financing, decommissioning and radioactive waste management strategies.

He is a Board Director and Secretary of Waste Management Symposia Inc. which runs the annual Waste Management conference in Phoenix.

Before joining the NDA in 2007, Mr. Mathieson worked with Nirex for 17 years in several roles, including business development and international relations. Prior to that he was with CEGB / Nuclear Electric (now EdF Energy) for 14 years as a health physicist, working initially at Dungeness B nuclear power station and then the Health and Safety Department.



Mr. Edward MCGINNIS

Deputy Assistant Secretary, International Nuclear Energy Policy And Cooperation, Office of Nuclear Energy, U.S. Department of Energy

Mr. Edward McGinnis is responsible for the Department of Energy's international civilian nuclear energy activities, including international nuclear energy research, development and demonstration cooperation, international framework and partnership development, international nuclear energy policy, and other international civilian nuclear energy-related activities carried out by the Department of Energy's Office of Nuclear Energy. As part of these responsibilities, Mr. McGinnis serves as Steering Group Chairman of the International Framework for Nuclear Energy Cooperation that consists of more than 60 countries and serves as the Departmental Representative to the U.S. Trade and Promotion Coordination Committee on civil nuclear energy matters. Within the Office of Nuclear Energy, Mr. McGinnis has also served as a Vice Chairman and Principal U.S. Representative to the Generation IV International Forum and was responsible for U.S. domestic nuclear fuel assurance matters, including technical oversight activities regarding the United States Enrichment Corporation, uranium inventory management matters, as well as U.S. nuclear energy security matters.

Prior to working in the Office of Nuclear Energy, Mr. McGinnis led a number of other high priority United States Government initiatives at the Department of Energy, including having served as the senior Director for the office of Global Radiological Threat Reduction where he managed global operations involving the search, recovery, security and disposal of high-risk radiological and nuclear sources in cooperation with over 40 countries, including within the U.S. These activities included recovery of high-risk radiological sources from Iraq, establishment of a Global Radiological Regional Partnership Program, and the first-of-its-kind repatriation of high-risk U.S.-origin plutonium-239 sources. Mr. McGinnis also established and served as the Director of the Nuclear and Radiological Threat Reduction Task Force which was created to carry out a number of key Secretarial national security initiatives, including the development of a global nuclear materials removal and research reactor security study that included the identification of nuclear research reactors throughout the world by level of vulnerability and an action plan to effectively mitigate such vulnerabilities.

Prior this, Mr. McGinnis served as senior advisor and special assistant to four Assistant Secretaries and Deputy Administrators for nonproliferation and national security at the Department of Energy where he served as a senior advisor for all aspects of the Department's nonproliferation missions, including nonproliferation research and development, materials protection, control and accounting, and warhead security.

Mr. McGinnis holds a master's degree from The American University's School of International Service in Washington, D.C., and is a graduate of the Kennedy School's Senior Executive Fellows Program as well as the Program for Senior Executives in National and International Security at Harvard University.



Dr. Charles MILLER

Senior Nuclear Safety Consultant, Advanced Systems Technology & Management, Inc.; Former Principal Nuclear Safety Consultant, U.S. NRC

Dr. Charles Miller has 38 years of experience in the nuclear field including a number of executive positions held at the NRC over his 31 year tenure. His most recent position was the Director of the Office of Federal and State Materials and Environmental Management Programs where he had responsibility for nuclear materials safety and security, decommissioning of nuclear facilities, uranium recovery, agreement state programs, environmental impact analysis, and associated rulemaking activities. His career at NRC encompassed all aspects of the agency's regulatory duties including extensive licensing experience in both reactors and materials as well as emergency planning and response. Following the accident at Fukushima, Dr. Miller led the NRC near term task force which provided recommendations to the Commission for enhancing safety in the 21st century. Prior to joining NRC, he worked in commercial industry in the areas of nuclear fuel cycle and reactor design.

Dr. Miller is currently a senior nuclear safety consultant with AdSTM, where he is focused on human resource development and Fukushima lessons learned for the International Regulatory Development Program (IRDP) for regulatory bodies in emerging nuclear countries. He has currently conducted sessions in Asia.



Mr. Paul MURPHY

Senior Attorney, Milbank, Tweed, Hadley & McCloy LLP

Mr. Paul Murphy's practice focuses on multiple aspects of the nuclear industry – from legal and policy matters, including international regulatory and treaty frameworks and issues regarding nuclear liability, to strategies for creating viable nuclear power programs and the identification and mitigation of associated risks – representing developers/owners, investors, and contractors on nuclear projects internationally. Mr. Murphy is recognized as an expert in the development and financing of nuclear power programs by the International Atomic Energy Agency (IAEA), the OECD's Nuclear Energy Agency (NEA) and the U.S. government. Mr. Murphy currently serves on the IAEA's Technical Cooperation Program team, which assists member states in developing civilian nuclear power programs. Mr. Murphy has served as a designated expert, chairman, and author at several special meetings and for multiple working groups of the IAEA, primarily involving the development, financing, and structuring of nuclear power projects. He continues to work with the IAEA in a number of key areas, including a current revision of the IAEA's *Handbook on Nuclear Law* and as lead author for a new report to be released in the next few months, entitled, *"Alternative Contracting and Ownership Practices for Nuclear Power Plants"*.

Mr. Murphy serves on the U.S. Secretary of Commerce's Civilian Nuclear Trade Advisory Committee, and he chairs its Finance subcommittee. In addition, Mr. Murphy recently served as the U.S. Government's sole representative on an NEA working group on *"Financing of Nuclear Power Plants"*, acting as chairman for the working group. Mr. Murphy also chaired the IAEA working group that issued, *"Issues to Improve the Prospects of Financing Nuclear Power Projects."* For the last three years, Mr. Murphy served as a faculty member for the *"Training Course on Nuclear Power Infrastructure Programs and Related Projects in Emerging Nuclear States"*, held on behalf of the U.S. State Department and the IAEA at the Argonne National Laboratory and attended by representatives of over 20 foreign governments.



Lord O'NEILL of Clackmannan

Former Member of Parliament and Former Chairman, UK Nuclear Industry Association (NIA)

Martin O'Neill was a Labour Member of Parliament from 1979 to 2005, for constituencies located in the Forth Valley and the Ochils. His posts included Spokesman on Scottish Affairs; Shadow Defence Secretary; and Shadow Minister for Energy. In 1995 he began a ten-year stint as Chairman of the influential Trade and Industry Select Committee.

Lord O'Neill was educated in Edinburgh and went on to Heriot-Watt University where he gained a BA degree in Economics. Before becoming an MP, he worked as a High School teacher in Edinburgh and was a Social Science tutor at the Open University.

At the May 2005 general election Lord O'Neill retired from the House of Commons, and was subsequently created a life peer, Baron O'Neill of Clackmannan. He served on the House of Lords Science and Technology Select Committee for three years.

Lord O'Neill recently came to the end of a four-year stint as Chairman of the Nuclear Industry Association. He is currently President of the Specialist Engineering Contractors Group. He is also honorary President of Energy Action Scotland and an honorary Vice-President of National Energy Action, and acts as consultant to a number of engineering and construction industry trade associations. In 2011 he received an honorary degree from Heriot-Watt University.



Mr. Lauri PIEKKARI

Senior Vice President & Treasurer, Teollisuuden Voima Oyj (TVO)

Mr. Lauri Piekkari is Senior Vice President and Treasurer of TVO. He has a M.Sc. degree from the Helsinki School of Economics, Finland. He joined TVO in 2002. Before joining TVO, he has gained in-depth knowledge of capital markets, structured finance, financial engineering and corporate treasury. His experience of more than 20 years stems from both banking and corporate sides of the business.



Mr. Gareth PRICE

Partner, Global Co-Head of Energy and Global Head of Projects. Allen & Overy LLP

Mr. Gareth Price is Allen & Overy's Global Co-Head of Energy and Global Head of Projects. Mr. Price has a particular interest in low carbon energy solutions, including transactions in the renewables and nuclear sectors. Mr. Price advises all participants, including governments, lenders, developers, contractors and secondary market purchasers, on all aspects of energy and infrastructure assets around the world. Mr. Price also has a wealth of structured finance experience and is able to draw on this in assisting clients in putting together financing proposals, from the most simple senior debt offerings through to multi-source financings involving some or all of ECA finance, senior and mezzanine bank debt, PIK, PIYC and debt capital markets issues (wrapped and unwrapped, listed and unlisted).



Mr. Alain-Pierre RAYNAUD

Chairman & CEO, AREVA UK

Mr. Alain-Pierre Raynaud has been Chairman of AREVA UK since 2011. He is a graduate of the Institut d'Etudes Politiques in Paris and holds a doctorate in Economics. He began his career as a financial analyst and was head of the Italian subsidiary of the Worms Bank before moving to Renault in 1987. He became Head of Financial Operations, and subsequently Chief Controller Officer and a member of the group's Management Committee.

In 2003, he moved to Japan as a member of the Executive Committee of Nissan, where he was in charge of the Cost Control and IT Services Departments and of the group's financial operations. In September 2006, he became AREVA's Chief Financial Officer.



Ms. Fiona REILLY

Partner & Head of Nuclear Services, Norton Rose LLP

For over 15 years, Ms. Fiona Reilly has been involved with projects in the nuclear industry. She remains a highly regarded specialist in the nuclear market. She is familiar with and has worked on all aspects of the nuclear cycle from new build and licensing to decommissioning, fuel storage and waste management.

She has a detailed understanding of the international regulatory framework within which the nuclear industry works and frequently advises on liability regimes and nuclear insurance, regulatory and reporting requirements, the development of regulatory regimes, feasibility studies and structuring as well as contracts and relating to the financing, development, construction, operation and maintenance of nuclear stations and the fabrication, reprocessing and storage of nuclear fuel and waste.

In the last year she has advised on, among other matters: (i) the investment and financing of a nuclear new build project in the UK; (ii) a banking/ investment feasibility study to attract international investment into the development, construction and operation of the Baltic nuclear power project; (iii) detailed technical contracts on the reprocessing of nuclear fuel, the fabrication of nuclear fuel and the transfer of the right to use plutonium; and (iv) bidding structures and bidding as a consortium for the EPC new build and Fuel Supply for a new nuclear power plant in the Central Europe.

Prior to joining Norton Rose, Ms. Reilly worked for ALSTOM. While there she was seconded to Sizewell B Nuclear Power Station as Contracts Manager for a joint venture of ALSTOM and Framatome and she also spent time working on nuclear projects at the Wylfa site in the UK.

She is a Solicitor Advocate, holds an LLB in Law and an LLM in International Business Law. She is also a MCI Arb, a member and former Committee member of Technology and Construction Solicitor's Association and a member of the IBA, International Nuclear Lawyers Association and Women in Nuclear.



Mr. Jacques SACRESTE

Director, Project Development Department, Electricité de France (EDF)

Mr. Jacques Sacreste has occupied from 1982 to 1994 various management positions within the Nuclear Operation Division.

Among other positions he served as Head of Controlling in Cattenom Nuclear Power Plant (4 X 1300 MW) in eastern of France. He has been nominated at Corporate Level in charge of the implementation of the EDF nuclear fleet controlling, benchmarking and performance information system.

From 1994 to 1997 he was assigned to China in the first sino-foreign 3000 MW green field coal power project developed successfully in Shandong province in cooperation with a Chinese partner. Within this international project team he was EDF O&M project manager responsible for the negotiation of O&M, Fuel Supply, and Power Purchase agreements.

Back in France and after 2 years in the Finance Division he was nominated as member of the EDF Nuclear Generation Division Executive Committee in charge of Economy and Controlling.

In 2002 and up to 2005 he was General Manager of EC Krakow in Poland (a 1260 MWth / 460MWe cogeneration plant owned by EDF).

Mr. Sacreste is now in EDF International Development as Director, Projects Development Department, in charge of the development of the EDF international nuclear projects.



Mr. David SCOTT

Executive Director of Economic Affairs, Executive Affairs Authority, United Arab Emirates

As Executive Director of Economic affairs for the Executive Affairs Authority, Mr. Scott provides strategic economic policy advice Abu Dhabi's Executive Council Chairman.

Mr. Scott has worked in the Middle East region bringing a unique policy perspective based upon combined government and private sector work experience.

Mr. Scott worked as regional VP for Occidental. He also served at the White House as the National Security Council's Director for Arabian Peninsula and North Africa.

He graduated from Brigham Young University and is a former graduate fellow with the Center for Arabic Studies at American University of Cairo.



Ms. Tania TSONEVA

Associate Director, Standard & Poor's

Ms. Tania Tsoneva is an Associate Director in the Utilities team, Corporate Ratings at Standard & Poor's. She covers as a credit analyst a portfolio of mid- and large-scale utilities among which nuclear operators in Central, Eastern and Southern Europe. She is also a specialist in the U.K. regulation for the gas, electricity and water sectors, and U.K. renewable energy generation.

Ms. Tsoneva holds an MBA degree from Sir John Cass Business School, City University and is a CFA charterholder.



Dr. Pat UPSON, CBE

Former Managing Director, Enriching Technology Corporation (ETC)

Dr. Pat Upson started work for BNFL at Sellafield in 1973, after graduating from Imperial College with a degree in Chemical Engineering and PhD.

Dr. Upson has served the UK Nuclear Industry in a number of Executive roles over the past 25 years, in BNFL, then the Urenco Group, finally retiring in 2010 from the role of CEO in the Enrichment Technology Company. He now works as a Nuclear Consultant, working in various sectors, including non-proliferation, Nuclear Insurance and Decommissioning.

In the Early 2000s, Dr. Upson was Chairman of the LES Partnership and oversaw their successful application for a license to build a uranium enrichment plant in New Mexico.

Dr. Upson served as President of the British Nuclear Energy Society from 1994 to 1997 and as President of the European Nuclear Society in 1999 and 2000. Currently he serves as Chairman of the National Skills Academy, Nuclear for the South and South East of England and has served as Chairman of the WNA Working Group on Security of Supply in the Nuclear Fuel Cycle since 2004.



Mr. Alec VAN DEN ABEELE

Director, AVDA Consult Ltd; Former Director, Corporate Insurance Department Group, GDF SUEZ sa; Representative of ONEIL/NEIL Ltd

Mr. Alec van den Abeele began his career in London, in 1966, when he joined the Lloyd's Broker, Bland Welch Ltd. In 1970, he joined the Group Fester & Mund – Henrijean – Marsh & McLennan as a Director in Antwerp, Kinshasa and Brussels.

In 1986, he moved to the Utility INTERCOM as head of the Insurance Department. In 1990, INTERCOM merged with the other Belgian Utilities EBES and UNERG to form ELECTRABEL, and Mr. van den Abeele became the Insurance Manager of the new company.

In 1995, ELECTRABEL and TRACTEBEL, its mother company, created a common insurance department under Mr. van den Abeele's leadership; his responsibilities were then extended to the Real Estate Activities of the Group. In 2003, following the merger of TRACTEBEL with the French Group SUEZ, Mr. van den Abeele was named Corporate Insurance Director of the SUEZ Group.

In July 2008, when SUEZ merged with GAZ DE FRANCE to become GDF SUEZ sa, Mr. van den Abeele was appointed Director Corporate Insurance Department consisting of 45 Insurance Specialists located mainly in Brussels, Paris, Houston, Luxembourg, Buenos Aires, Dubai, Bangkok and several other European and U.S. locations.

Mr. van den Abeele who was also Managing Director of the Group's reinsurance captive, now called GDF SUEZ RE, retired from the Group in March 2010; he then formed AvdA Consult Ltd. active as a specialized Insurance and Reinsurance Consultant.



Mr. Michael WALLACE

Senior Advisor, Center for Strategic and International Studies (CSIS); Former Vice Chairman and COO, Constellation Energy

Mr. Michael "Mike" J. Wallace retired in April, 2011 as Vice Chairman and COO of Constellation Energy and Chairman of Constellation Energy Nuclear Group, which includes nuclear generation of 3,869 megawatts, three sites, and five units in two states. In addition, in his capacity as COO, Mr. Wallace had direct responsibility for several different business groups including the wholly owned subsidiary, Baltimore Gas and Electric (BGE), and the company security organization; moreover, he had responsibility for a number of corporate wide operational activities from 2008 until retirement.

Prior to joining Constellation Energy Group, Mr. Wallace was Managing Director of Barrington Energy Partners, LLC, a strategic consulting firm specializing in energy industry transactions and advisory services. He co-founded the firm in 1998 and has advised energy company executives on mergers and acquisitions, transaction financing, and market and investment opportunities.

Before joining Barrington Energy, Mr. Wallace had 25 years of senior executive and utility operations experience. From 1993 to 1999, he was Senior Vice President with Unicom/ComEd of Illinois, a \$7 billion utility serving 3.4 million customers. He was also ComEd's Chief Nuclear Officer, responsible for the operation of the company's 12 nuclear generating units at six power plant sites.

Mr. Wallace began with Unicom/ComEd in 1974 as a principal engineer, managing various responsibilities associated with the design, procurement, and construction of power plants. He became Plant Manager in 1979, then Executive and Manager in 1982, and Vice President in 1990. In his tenure he had responsibility for the completion of the Braidwood and Byron Nuclear Stations of Commonwealth Edison.

Mr. Wallace has a Bachelor's in Science in Electrical Engineering from Marquette University and a Masters of Business Administration from the University of Chicago, with a specialization in finance. He also served as a naval officer in the U.S. Navy nuclear submarine force.

In recent years he held positions as Chairman of the Nuclear Energy Institute's (NEI) Security Working Group, Chairman of the Nuclear Sector Coordinating Council under the Department of Homeland Security's National Infrastructure Protection Plan, has served as Chairman of the Partnership for Critical Infrastructure Security (PCIS), Member of NEI's New Plant Oversight Steering Committee, Director of Nuclear Electric Insurance Limited (NEIL), and Chairman of UniStar Nuclear Energy.

Since June, 2011, Mr. Wallace has served as a Senior Advisor for the Center for Strategic and International Studies (CSIS), and as co-chairman of the Commission on Nuclear Energy in the U.S.



Mr. Roger WOOD

Managing Director, Moelis & Company

Mr. Roger Wood is a Managing Director at Moelis & Company, focused on Power and Infrastructure. He joined Moelis & Company in 2010 after 5 years as Head of North American Utilities and Infrastructure, and Global Co-Head of both Utilities and Infrastructure at Rothschild. Prior to this he was a Managing Director in the Mergers & Acquisitions Group at Citigroup, and he previously worked in Energy Investment Banking at JP Morgan in New York and London. He began his professional career in the 1980s as a member of JP Morgan's Mergers and Acquisitions Group in London. His nuclear-related experience includes advising the Government of Canada on the restructuring of Atomic Energy of Canada Limited; Constellation Energy on the sale of 49.9% of Constellation Energy Nuclear Group to EDF; Constellation Energy on the formation of its UniStar Nuclear Energy joint venture to develop and build new nuclear plants in North America; British Energy on the sale of Bruce Power (Canada) and AmerGen (U.S.); and New York Power Authority on the sale of its Indian Point 3 and FitzPatrick power plants. He holds a first class degree in Modern History from University College, Oxford.



Mr. Shigehiro YOSHINO

Head of Paris Office, Chief Representative for Europe, Middle East and Africa Region, Nippon Export & Investment Insurance (NEXI)

Mr. Shigehiro Yoshino has occupied his current position since August 2009, and is responsible for a wide range of activities in the regions, including project finding, business consultation, market & country risk monitoring, and the related international official framework (OECD, Paris Club, etc.). In the past (1994-1995), he has experience in trade insurance and was involved in several Paris Club rescheduling of South America, Russia and Eastern European countries.

Prior to joining NEXI, he was an official at the Ministry of Economy, Trade and Industry (METI) for many years (1992-2008). There he was involved in various policy fields, especially in the general policy planning of natural resources and energy as a head of the Deputy Director. This quite long experience in the energy field brings him to play a potent role in NEXI's policy and business.

He has a degree in Economics in Tokyo University. He was an exchanged official in the Ministry for Economy and Technology of the Federal Government of Germany.