

1st IAEE Online Conference

ENERGY, COVID AND CLIMATE CHANGE

7,8,9 June 2021

PLENARY SESSIONS SPEAKERS

MONDAY, 7 JUNE 2021

Morning Parallel Session 1.1 - The future of carbon pricing

Prof. Christian de Perthuis, Université Paris-Dauphine



Professor of Economics at the University of Paris-Dauphine, Christian de Perthuis reoriented his research and teaching towards the economics of climate change in 2003. He developed the "Mission Climat" at the Caisse des Dépôts from 2003 to 2009, then founded the [Climate Economics Chair](#) (2010). He has conducted various assignments for public authorities, including the presidency of the Green Tax Committee (2013-2015), which led to the introduction of a carbon tax in the French tax system.

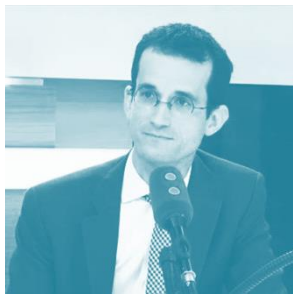
Christian de Perthuis is also the author of several books, including *Green Capital: A New Perspective of Growth* (Columbia University Press, 2015) and *Economic choices in a warming world* (Cambridge University Press, 2011). In November 2020, the French Association for Energy Economics bestowed the [Marcel Boiteux Prize](#) on him, an award to authors of outstanding works contributing to France's influence in energy economics.

Prof. Janet E. Milne, Vermont Law School



[Janet E. Milne](#) is a lawyer and a professor at Vermont Law School teaching environmental taxation and land use law. Professor Milne has pursued the field of environmental taxation in a variety of ways. In 1995, she researched Germany's environmental taxes as a fellow of the American Council on Germany. In 2000, she created the Environmental Tax Policy Institute at Vermont Law School, and in 2002 she organized and hosted the Third Global Conference on Environmental Taxation. She is a member of the steering committee for the conference series, now in its 19th year, and the Environmental Tax Policy Institute has co-sponsored many of the conferences. She has been a member of the American Bar Association Tax Section's Environmental Taxes Committee (subsequently the Energy and Environmental Taxes Committee) and was the committee's vice chair for important developments until 2007. She was the lead editor of the *Handbook of Research on Environmental Taxation* (Edward Elgar 2012) and editor of *Environmental Taxation and the Law* (Edward Elgar 2017) and has written extensively about the role of taxation in achieving environmental protection.

Mr. Stéphane Hallegatte, Lead Economist, Climate Change Group, Worldbank



Stéphane Hallegatte is a lead economist with the Climate Change Group of the World Bank. He joined the World Bank in 2012 after 10 years of academic research in environmental economics and climate science for Météo-France, the Centre International de Recherche sur l'Environnement et le Développement, and Stanford University. His research interests include the economics of natural disasters and risk management, climate change adaptation, urban policy and economics, climate change mitigation, and green growth. Mr. Hallegatte was a lead author of the 5th Assessment Report of the Intergovernmental Panel on Climate Change (IPCC). He also co-led the World Bank reports *Inclusive Green Growth: The Pathway to Sustainable Development*, published in 2012 and *Decarbonizing Development* in 2015, and was a member of the core writing team of the 2014 *World Development Report Risk and Opportunity: Managing Risks for Development*. Most recently, he led the World Bank reports *Shock Waves: Managing the Impacts of Climate Change on Poverty*, *Unbreakable: Building the Resilience of the Poor in the Face of Natural Disasters*, and *Lifelines: the Resilient Infrastructure Opportunity*.

Ms. Beatriz Yordi, DG Climate Action, Directorate “European & International Carbon Markets”, European Commission



Beatriz Yordi is a Director in DG Climate Action. She leads the team responsible for the EU Emissions Trading System, promoting carbon pricing and competitiveness in line with the Paris agreement. She joined the European Commission in 1994, working on energy policy, Eco-innovation, and Green businesses. She was involved in the LIFE program, in DG Energy, DG Environment and in EASME.

Beatriz Yordi specialised in fundamental physics at the University of Santiago de Compostela. Her career began at the Research Centre CIEMAT. She then joined the private sector at the electricity utility Union Fenosa in the first large solar photovoltaic energy facility together with ENDESA and RWE.

Morning Parallel Session 1.2 - Hybrid market architectures for ensuring investment in the European electricity sector

Prof. Jan Horst Keppler, Université Paris-Dauphine, Chaire European Electricity Markets (CEEM)



Jan Horst Keppler is a professor of economics at the Université Paris – Dauphine, where he directs the Chair European Electricity Markets (CEEM). He focuses on the competitiveness of low carbon technologies such as nuclear energy and renewables, taking into account their full system-level costs. He also advises the OECD Nuclear Energy Agency on issues relating to economics and electricity markets. His current work centers on the optimal provision of flexibility and dispatchable power generation in decarbonizing electricity systems. Professor Keppler regularly intervenes in the media and was until 2018 a member of the Exchange Council of EPEX Spot, the European electricity market operator. Jan Horst Keppler also works in the history of economic ideas, in particular on Adam Smith and the origins of economic analysis as a specific form of capturing the transformation of individual impulses into social interactions.

Prof. David Newbery, Cambridge and Imperial College



David Newbery, CBE, FBA, is an Emeritus Professor of Economics at the Faculty of Economics, University of Cambridge, and Research Fellow in the Control and Power Research Group, Imperial College London. He was educated at Cambridge with undergraduate degrees in Mathematics and Economics and received a PhD and ScD in economics also from Cambridge. He is a Fellow of the British Academy and of the Econometric Society; a Vice-Chairman of Cambridge Economic Policy Associates; and an occasional consultant to the World Bank, Ofgem, Ofwat, and ORR. He has been a member of the Competition Commission and chairman of the Dutch electricity Market Surveillance Committee. Ofgem's Low Carbon Network Fund and recent advisor on Electricity Market Reform to the House of Commons Select Committee on Climate Change. He was President of the IAEE in 2013.

Prof. Chloé Le Coq, University of Paris II Panthéon-Assas



Chloé Le Coq is Professor of Economics at Université Paris 2 Panthéon-Assas (CRED) and Research Fellow at the Stockholm School of Economics (SITE). She also serves as a Research Fellow at the Centre on Regulation in Europe (CERRE) and as a Swedish Energy Association board member. She has held visiting positions at Purdue University, the University of California Energy Institute at Berkeley, and the National University of Singapore.

Her research investigates antitrust policy, industrial organization, and behavioral economics, focusing on energy markets and social innovation. Her recent work includes empirical studies on cartel formation and information structure in electricity markets. But also experimental studies on social entrepreneurs, as in her latest publication: "How Do Nascent Social Entrepreneurs Respond to Rewards? A Field Experiment on Motivations in a Grant Competition." (*Management Science*, 2021).

Prof. Fulvio Fontini, Università di Padova



Fulvio Fontini is a professor at the Department of Economics and Management, University of Padova. His research is rooted in Energy Economics and Microeconomics, with a particular focus on electricity markets. His latest publications include: "The participation of small-scale variable distributed renewable energy sources to the balancing services market." (*Energy Economics*, 2021) and "Pricing reliability options under different electricity price regimes." (*Energy Economics*, 2020). His book *Economics of Electricity: Markets, Competition and Rules*. (Cambridge University Press, 2019), co-authored with Anna Créti, was awarded the Marcel Boiteux Prize of the French Association for Energy Economics in 2019.

Prof. Michael Grubb, University College London



Michael Grubb is Professor of Energy and Climate Change at University College London (Institute of Sustainable Resources). In 2016 he moved from a role as Senior Advisor at the UK Energy Regulator OFGEM, to Chair the UK government's Panel of Technical Advisors on Energy Market Reform. In 2018 he was appointed as Convening Lead Author for Chapter 1 of the IPCC Sixth Assessment (Mitigation Report). His former positions include Senior Research Associate in Economics at Cambridge University; Chair of the international research organization Climate Strategies; Chief Economist at the Carbon Trust; Professor at Imperial College London; head of Energy and Environment at Chatham House; and founding Editor-in-Chief of the journal Climate Policy. From 2018, he served on the UK Climate Change Committee to advise the government on future carbon budgets and to report to Parliament on their implementation. Beyond energy and climate change, Michael Grubb is also on the German Inst for Economic Research (DIW Berlin) Scientific Advisory Board.

Prof. Fabien Roques, Université Paris-Dauphine, Chaire European Electricity Markets (CEEM)



Fabien Roques is an Associate Professor at the University of Paris Dauphine, and is also a consultant at FTI - Compass Lexecon. His expertise covers energy and environmental forecasting, the design and regulation of the electricity and carbon markets in Europe, and strategic decision support under uncertainty.

Fabien was previously the Director of IHS CERA (Cambridge Energy Research Associates) for the European electricity and carbon markets. Prior to that, Fabien was a senior economist at the International Energy Agency (IEA/OECD) where he was responsible for the power sector in the framework of the World Energy Outlook scenarios. He is a graduate of the Ecole Centrale de Lyon engineering school and did his PhD in energy economics at the University of Cambridge.

Opening and Keynote Session 1 - Energy transition in times of Covid

Prof. Yannick Perez IAAE 2021 Online Conference General Chair



Yannick Perez is the General Conference Chairman of the IAAE 2021 online conference. He is a Full Professor of Economics and Energy and Mobility at CentraleSupélec; Chief Economic Advisor of the Loyola de Palacio Chair on European Energy Policy at the European University Institute; and Senior Research Fellow at the Armand Peugeot research chair on Electromobility. Yannick Perez has conducted research for a number of industrial companies: EDF, Areva, Gaz de France, PSA, l'Agence Nationale de Régulation de l'Energie (ANARE) de Cote d'Ivoire, Verbund and Edison. His research interests revolve around industrial organizations and microeconomic theory, and in particular around Market Design. He focuses on examining why market institutions fail and identifying the properties of alternative mechanisms – in terms of efficiency, fairness, incentives, and complexity

Prof. James Smith, IAAE President, Southern Methodist University



Dr. James Smith has specialized in energy studies since receiving his PhD in economics from Harvard University in 1977 and has published many scholarly articles on the oil and gas industry. Dr. Smith currently serves as co-editor of The Energy Journal - the flagship journal of the International Association for Energy Economics, and as president-elect of the United States Association for Energy Economics. In addition to his academic duties at Southern Methodist University, Dr. Smith frequently provides consulting services to energy companies, regulatory agencies, and government officials, in the US and abroad.

Mr. Patrick Pouyanné, CEO, Total



Patrick Pouyanné has been serving as chairman and CEO of Total since 2014. Between 1989 and 1996, he held various administrative positions in the Ministry of Industry and other cabinet positions (technical advisor to French Prime Minister Édouard Balladur from 1993 to 1995, Chief of Staff for Minister François Fillon from 1995 to 1996). In January 1997, he joined Total in Angola, followed by Qatar in 1999. In August 2002, he was appointed President, Finance, Economy, and IT for Exploration & Production. In January 2006, he became President, Strategy, Growth, and Research. He was appointed a member of the Group's Management Committee in May 2006. In March 2011, Mr. Patrick Pouyanné was appointed Vice-president, Chemicals, and Vice-President, Petrochemicals. In January 2012, he became Chief Executive Officer, Refining & Chemicals, and a Group's Executive Committee member.

On October 22, 2014, he was appointed Chief Executive Officer of TOTAL S.A. and President of the Group's Executive Committee. TOTAL's Board of Directors appointed him as its Chairman from December 19, 2015. Mr. Pouyanné's term of office was renewed by the Shareholders' Meeting of June 1, 2018 for three years, and the Board of Directors confirmed him in his duties of Chairman of the Board and Chief Executive Officer for the same period.

Ms. Laura Cozzi, Chief Energy Modeler, International Energy Agency



Laura Cozzi was appointed the Agency's Chief Energy Modeller in 2018. As Chief Energy Modeller, Ms. Cozzi oversees the Agency's work on outlooks and forecasts and is in charge of the overall consistency of modeling work and resulting messages. Ms. Cozzi is also Head of the Demand Outlook Division, responsible for producing the annual World Energy Outlook. The Division produces medium to long-term energy demand, efficiency, power generation, renewables, and environmental analysis for the World Energy Outlook and other publications. Ms Cozzi joined the IEA in 1999, and has been leading several editions of the Outlook, and has been co-author of multiple editions of the report.

Before joining the IEA, Ms. Cozzi worked for the Italian energy company ENI S.p.A. She holds a Master's Degree in Environmental Engineering (from Polytechnic Milan) and a Master's Degree in Energy and Environmental Economics (from Eni Corporate University).

Prof. Claudia Kemfert, DIW Berlin



Prof Dr Claudia Kemfert has been head of the department Energy, Transportation, Environment at the German Institute of Economic Research (DIW Berlin) since April 2004. She is also Professor of Energy Economics and Energy Policy at the Leuphana University and previously held professorships at Hertie School of Governance and the Humboldt University.

Claudia Kemfert was appointed to the Expert Council for Environmental Issues at the German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety in 2016. She was an advisor to EU President José Manuel Barroso and a member of the High Level Expert Group of the EU Environment Commissioner and the Advisory Group on Energy of the European Commission (DG Research). Since 2011 she has been a member of the Executive Committee of the German Society of the Club of Rome.

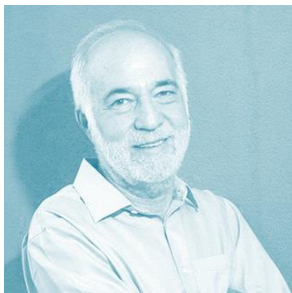
Afternoon Parallel Session 1.1 - Shared Autonomous Electric mobility : triple revolution

Prof. Ramteen Sioshansi Ohio State University, College of Engineering



Ramteen Sioshansi is a professor and associate department chair of the Department of Integrated Systems Engineering and an associate fellow in Center for Automotive Research at The Ohio State University. His research focuses on the integration of advanced energy technologies, including renewables, energy storage, and electric transportation, into energy systems. He works also in energy policy and electricity market design, especially as they pertain to advanced energy technologies. He served three two-year terms on Electricity Advisory Committee, a federal advisory committee to U.S. Secretary of Energy, and chaired its Energy Storage (Technologies) Subcommittee. He is an IEEE Fellow.

Prof. Daniel Sperling, UC Davis



Dr Daniel Sperling is Professor of Civil Engineering and Environmental Science and Policy and founding Director of the UC Davis Institute of Transportation Studies. His research focuses on the use of transportation and energy technologies to achieve societal goals. He manages major research programs on advanced vehicle technologies and fuels, transportation in developing countries, and the development of "new mobility" systems using information and communication technologies.

Daniel Sperling holds leadership positions on keyboards and committees and in 2007 was appointed to serve as a member of the California Air Resources Board. Sperling was the 2013 Chair of the California Fuel Partnership and the 2015 Chair of the National Academies' Transportation Research Board. In recognition of his work, Sperling received the 2013 Blue Planet Prize and the 2010 Heinz award.

Prof. Willett Kempton, University of Delaware



Willett Kempton is a Professor with the Department of Electrical and Computer Engineering and the College of Earth, Ocean, and Environment, University of Delaware, Newark, DE, USA. He directs 15 professional researchers and students in research on clean energy technologies. He lectures widely and publishes scientific and technical articles on offshore wind power, electric transportation, and energy analysis. He invented Grid-Integrated Vehicles – V2G – in 1997 and holds four patents for technologies integrating electric vehicles with the power grid. He has also led groundbreaking analysis and policy recommendations on the cost of offshore wind power and new deployment methods for offshore wind turbines..

Ms. Alexandra Lougovoy Chief Marketing Officer, Vulog



Alexandra Lougovoy is the chief marketing officer of Vulog in Paris, a tech provider for shared mobility solutions. She has more than 12 years of experience as tech marketing leader driven by missions "with impact" and a passion for innovation and the futures of mobility, travel, cities and work. Her areas of expertise include B2B marketing & communications strategies (brand, content, digital, PR & events, partnerships), tech / software marketing, start-ups to scale-ups & starting from scratch, international marketing and cross-cultural management. She holds a master degree in Management, Business Administration and management from ESSEC Business School (France) and a certificate in hospitality marketing from Cornell University (USA).

Afternoon Parallel Session 1.2 – The role of gas in energy transition

Prof. Olivier Massol, IFP School



Olivier Massol is Professor of Economics at IFP School and Scientific Assistant to the Director of the School. Specialized in applied economics, his research work is in the fields of industrial economics and energy and natural resources economics. His work uses quantitative methods and techniques from game theory, econometrics and operations research. Olivier is also a founding member of the "Natural Gas Economics" Chair, of which he is the executive director. He is also a research associate of the "Climate Economics" Chair (Energy Transition Axis) and collaborates on the work of the IFP School Chair "Carbon management and negative CO2 emissions technologies towards a low carbon future" (CarMa). He is an elected member of the Board of Directors of the French Association of Energy Economists.

Prof. Masakazu Toyoda, Chairman & CEO, Institute of Energy Economics, Japan (IEEJ)



Masakazu is Chairman and CEO at the Institute of Energy Economics (IEEJ), Japan. He is also an adviser to the King Abdullah Petroleum Studies and Research Center (KAPSARC), Accenture, the Oxford Institute for Energy Studies (OIES), the Pacific International Center for High Technology Research Center (PICHTR), and the Brunei National Energy Research Institute (BNERI).

Dr. Tatiana Mitrova, Research Scholar, Center on Global Energy Policy, Columbia University



Tatiana Mitrova is Director of the Skolkovo Energy Center and Research Director at the Energy Department of the Research Institute of the Russian Academy of Sciences (ERI RAS). She is also a Research Fellow at the Center for Global Energy Policy at Columbia University and a Visiting Senior Fellow at the Oxford Institute for Energy Studies. For over twenty years, she has devoted her research to Russian and global energy markets (production, transmission, demand, energy policy, pricing and market restructuring). Head of the Global and Russian Energy Outlook up to 2040 project, she is also a member of the Governmental Commission of the Russian Federation on Fuels and Energy Complex and of the Board of Directors of Unipro (formerly E.ON Russia). Finally, Tatiana Mitrova is an assistant professor at the Russian State Oil and Gas University Gubkin and a visiting professor at the School of International Affairs of the Institut d'Études Politiques de Paris (Sciences Po).

Prof. Charles Mason University of Wyoming



Charles Mason is the H. A. "Dave" True, Jr. Chair in Petroleum and Natural Gas Economics in the Department of Economics and Associate Dean for Research in the College of Business at the University of Wyoming. He is an internationally known scholar who specializes in Environmental and Resource Economics with over 80 publications in peer-reviewed journals and book chapters. He is currently an associate editor of the *European Economic Review*, co-editor of *Economic Inquiry*, and joint editor-in-chief of *Strategic Behavior in the Environment*. He earned a double B.A. in Economics and Mathematics in 1977 and a Ph.D. in Economics in 1983, all at the University of California at Berkeley. He has been on the faculty at the University of Wyoming since 1982.

Mr. Dominique Mockly, CEO, Terega



Dominique Mockly is the managing director and CEO of TERÉGA, which is one of the two operators of the gas transmission network in France, since 2016. He also was appointed in 2009 as executive director in charge of international development for the AREVA Group. Then, he was appointed executive director in charge of the AREVA Group's Downstream Business Group. Finally, in 2016, he joined the TIGF Group, No. 2 in France in natural gas transport and storage infrastructure in France as Executive General Manager. Dominique Mockly is a business transformation expert and also Senior Lecturer at ESCP Europe. He holds a master degree from École Polytechnique, ENSTA Paris Tech and an executive MBA from HEC Paris.

TUESDAY, 8 JUNE 2021

Morning Parallel Session 2.1 – Energy access around the world

Prof. Anna Creti, Université Paris-Dauphine



Anna Creti is a full professor at the University of Paris Dauphine, Paris; Director of the Chair of Climate Economics (Un. Dauphine) and of the Chair of Economics of Natural Gas (University of Paris Dauphine, Toulouse School of Economics, IFPEN, Ecole des Mines). She is a research fellow at the École Polytechnique, Paris, and affiliated with the Siebel Institute, Berkeley. Anna holds a PhD from the Toulouse School of Economics and a post-doc from the London School of Economics. She has studied extensively the competition and regulation of network utilities (telecommunications, bakery, gas, electricity...), as well as the link between energy, climate and environmental regulation. Co-editor of the journal Energy Economics, Anna has numerous publications in leading economic journals and is also a contributor to several media.

Prof. Jörg Peters, Research with Impact - RWI, ESSEN



Jörg Peters is a specialist in access to modern energy in developing countries and the evaluation of development interventions. Jörg is heading the research group "Climate Change in Developing Countries" at RWI and Professor at University of Passau. His research focus is on the economics of poverty and on the effectiveness of development policy.

In this context, Jörg leads several research projects that study rural markets for improved technologies such as off-grid solar and firewood saving cookstoves in different African countries. He furthermore led an international consortium that was appointed by the Dutch Ministry of Foreign Affairs to evaluate development activities in the energy sector in four countries spanning Africa and Asia. In addition, he designed the methodology and supervised the survey implementation of various evaluation studies for rural electrification and improved cookstove dissemination programs in Benin, Burkina Faso, Ghana, Indonesia, Rwanda, Mozambique, Senegal, Uganda, Tanzania, and Zambia. Jörg has advised various international organizations such as the United Nations, World Bank, 3ie, FMO, MCC, and GIZ.

Prof. Ignacio Pérez-Arriaga, MIT Institute for Data, Systems, and Society



Ignacio J. Pérez-Arriaga is a professor of electrical engineering at UPC, and founded its Institute for Research in Technology, which he served as director for for 11 years. He has also been vice rector for research at UPC, and currently holds the BP Chair on sustainable development.

Prof. Pérez-Arriaga served for five years as commissioner at the Spanish Electricity Regulatory Commission, and from 2007 to 2012 he was the independent member of the Single Electricity Market Committee of Ireland. He was also a member of the Board of Appeal of the Agency for the Coordination of Energy Regulators (ACER) in the EU. He serves as director of energy training at the Florence School of Regulation, European University Institute, Florence, Italy. He has worked in power system dynamic analysis; monitoring and diagnosis of power system devices and systems; intelligent computer design of industrial systems, planning and operation of electric generation and networks; regulation and restructuring of the power industry; and sustainability of national and global energy models and electricity access in developing countries.

Assistant Prof. Federico Pontoni, Bocconi University



Since 2007, Federico has been a Research Fellow at GREEN (Centre for Geography, Resources, Environment, Energy and Networks) at Bocconi University. Federico is currently Assistant Professor in Energy Economics at the University of Milan. In 2014, Federico was visiting Postdoc Fellow at Venice International University. From 2010 to 2013, he was Visiting Research Fellow at EconomiX, the Research Centre on Economics of Université Paris Ouest Nanterre La Défense. His areas of expertise are energy markets, environmental and water economics, with a specific focus on financial and economic regulation and on the enabling conditions for private sector involvement and public-private partnerships. Besides his academic activities, Federico works as an independent consultant specialized in financial modeling, tariff design and cost-benefit analysis (CBA) for the energy and the environmental sector. He has advised clients on major international energy infrastructure projects, small and medium sized investment in RES production and energy efficiency, as well as environmental litigation.

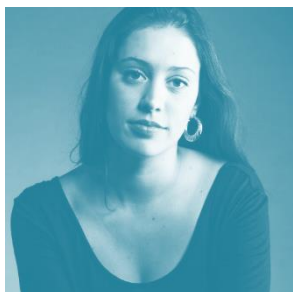
Morning Parallel Session 2.2 - Power-to-Hydrogen and Hydrogen-to-X

Mr Paul Lucchese, Chair, IEA Hydrogen Technology Collaboration Programme



Paul Lucchese was elected President of International technological cooperation programme (TCP) on Hydrogen, part of Technology network of IEA International Energy Agency. In 2001, he joined the CEA's Technological Research Directorate where he participated in the strong development of the New Energy Technologies programmes as project manager and then director of the CEA programme until 2010. Specifically on hydrogen and fuel cells, he is strongly involved in national, European and international associations and bodies. He has been President of the European Fuel Cell and Hydrogen Research Association since 2007 and Vice-President of the French Hydrogen Association since 2009. A Between 2013 and 2016, he led the FutuRIS team of the ANRT (National Association for Research and Technology) chaired by Thierry Breton and coordinated with Olivier Appert, President of the French Energy Council and General Delegate of the Academy of Technologies, a work dealing with energy research in France from the point of view of companies, submitted to the OPECST in February 2017, in direct connection with the SNRE (National Strategy for Energy Research) 2017. In 2017 and until March 2020,

Ms. Andrea del Cura Manzano, Hydrogen TCP, IEA



Andrea del Cura Manzano works for the IEA's Hydrogen Technology Collaboration Programme as Technical Assistant since October 2020. She holds a bachelor in International Studies from the Universidad Autonoma de Madrid and spend time abroad at Rijksuniversiteit Groningen and the Universidade de São Paulo.

Dr. Olfa Tlili, Project Manager, RTE



Olfa Tlili is a research fellow at RTE (Réseau de Transport d'Electricité, France) in the Economic Studies Department. She holds an engineering degree from ENSTA ParisTech and Ecole Nationale d'Ingénieur de Tunis, an Economics Master from IPF School and a PhD from CentraleSupélec, Université Paris-Saclay in collaboration with CEA and Air Liquide. Her work contributes to the assessment of the feasibility of hydrogen penetration in the energy system energy system, by implementing different models, and different geographical scales, which allow complementary

complementary insights. It focuses on low-carbon hydrogen, obtained by water electrolysis. She was previously a research at CEA at Institut de Technico-Economie de Systèmes Energétiques (I-tésé) where she contributed to the Hydrogen Technology Collaboration Programme of the International Energy Agency. She published in numerous journals including *Energy Systems*, *Energy*, *Sustainable energy & fuels* and *International Journal of Hydrogen Energy*.

Dr. Francesco Dolci, Scientific Officer, Joint Research Centre (JRC) - European Commission



Francesco Dolci obtained a PhD in chemistry from the University of Turin (Italy) in 2007. He worked several years as a researcher in the fields of catalysis and solid state chemistry, both in academia and industry. Since 2014 he has joined the European Commission Joint Research Centre where he is Project Officer with the Energy Storage Unit of the Energy, Transport and Climate Directorate. He has worked mainly on technological monitoring and assessment of energy storage technologies.

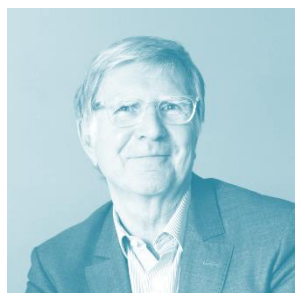
Mr. Benoit Decourt, Vice-President Hydrogene, Falkor



Benoit Decourt has been working on the deployment of low-carbon technologies for over 10 years. He is Vice President Hydrogen for Falkor. Falkor is a mission-orientated investment fund, whose objective is to accelerate the sustainable transition of public and private organisations. Benoit started his career at Schlumberger Business Consulting [SBC], a was then recruited by the Schlumberger – SBC Energy Institute [SEI], a non-profit expert energy research group. The SEI has been created in 2011 to generate and promote understanding of the current and future energy technologies that will be needed to provide a safe, secure and reliable mix as world energy supply shifts from carbon intensive to carbon restricted. After leading renewable energy and hydrogen research at the Schlumberger Energy Institute, he joined Accenture as Director of Strategic Research, before joining Kayrros, a start-up specialising in advanced data analysis in the energy market. In parallel, he is a part-time PhD student at University College London. Before joining Schlumberger in 2008, Benoit graduated from HEC Paris.

Keynote Session 2 - The future of Hydrogen

Prof. François Leveque, CERNA, Mines ParisTech



François Lévêque is Professor of economics at Mines ParisTech. He is part-time professor at the Robert Schuman Center for Advanced Studies (European University Institute, Florence School of Regulation). His research, teaching and consulting interests are in the areas of antitrust, energy, intellectual property rights and network regulation. He taught economics of natural resources at the Ecole des Mines de Paris (1984-1990), environmental economics at EHESS (1997-2001) and at Pavia University (1999-2002), EU Competition Law at the Boalt Law School, University of California at Berkeley (2002-2007). He created in 1999 a new major in law and economics at the Ecole des Mines. He has taught industrial economics and Energy Economics at the Ecole des mines since 1996.

François Lévêque is head of the Chair on The Economics of Natural Gas at Mines-ParisTech. He is the co-organizer of the PSL Energy Economics Seminar.

Ms. Catherine MacGregor, CEO , Engie



Catherine MacGregor has spent her entire professional career working in the energy sector, including 23 years with Schlumberger, the world's leading supplier of technologies for characterising, drilling, producing and processing reservoirs for the oil and gas sector. A graduate of the Paris École Centrale (CentraleSupélec), Catherine MacGregor has spent her entire career in the energy sector. In particular, she has managed numerous major complex industrial projects, both in France and abroad. She has had a number of roles with Schlumberger: operations engineer in the Republic of Congo, Scotland and the US; manager in charge of drilling and measuring operations in the Malaysia, Philippines and Brunei region; Group Executive Vice President in charge of human resources, and head of a number of the Group's various entities (Europe & Africa, drilling, etc.). Then from 2019 to 2020, she worked for TechnipFMC, the oil and gas services supplier, as head of Technip Energies. Catherine MacGregor joins the ENGIE group on 1 January 2021 as Chief Executive Officer.

Mr. Ambroise Fayolle, Vice-President, European Investment Bank



Ambroise Fayolle has been Vice President of European Investment Bank since 24 February 2015. Before then he has had many roles: as Director General of Agency France Trésor, as the Head of the Multilateral Affairs and Development Department at the Treasury and Economic Policy Division, as Equity Analyst at Nomura Securities Co. Ltd., Research Division, as the Executive Director of International Bank For Reconstruction & Development. In addition, he was the Director of Caisse d'Amortissement De La Dette Sociale, he represented France on the boards of the International Monetary Fund (IMF) and the World Bank, he served as Member of Supervisory Board of Agence Française de Développement and he worked as a senior official for the G8 and co-chairman of the Paris Club. He holds undergraduate degree from Institut d'études politiques de Paris, a bachelor in Law from Sorbonne University and has graduated from Ecole Nationale d'Administration (ENA).

Mr. Keisuke Sadamori, Director, Energy Markets and Security, IEA



Keisuke Sadamori became the IEA Director for Energy Markets and Security in 2012, leading an administrative structure that includes several core functions of the IEA, including monitoring global oil markets and responding to energy-supply disruptions. Prior to joining the IEA, Mr Sadamori, a Japanese national, held many senior positions at the Japanese Ministry of Economy, Trade and Industry (METI), including Deputy Director-General at the Minister's Secretariat. Mr Sadamori served as the executive assistant to the Prime Minister in 2011, when the Great East Japan Earthquake and Tsunami hit Japan, causing the Fukushima nuclear plant accident. Before this, he worked on international energy affairs and was the representative of the Government of Japan in such forums as the IEA Governing Board in 2008 and 2009. He also served as the chief negotiator for trade and investment agreements with Asian countries in 2009 and 2010.

Afternoon Parallel Session 2.1 - Energy transition and local governance

Prof. Michael Pollitt - Cambridge University



Dr Pollitt is co-editor of Economics of Energy and Environmental Policy and a member of the editorial board of the Review of Industrial Organization and Competition and Regulation in Network Industries. He is also a Research Associate of the Centre for Business Research (CBR) and a member of the Faculty of Economics. He is currently a member of the Office of Rail Regulation's expert advisory panel, and an energy advisor to the Consumers' Association. Since 2000 he has been convenor of the Association of Christian Economists, UK. Dr Pollitt has advised the UK Competition Commission, the New Zealand Commerce Commission, Ofgem, Ofwat, ESRC, the Norwegian Research Council, the DTI, the World Bank and the European Commission. He has also consulted for National Grid, AWG, Eneco, Nuon, Roche and TenneT. He is the Coach on the Cambridge MBA's "Energy & Environment" concentration, and the University's Energy Champion for Policy, Economics and Risk. He is Assistant Director of the Energy Policy Research Group, and a member of the Cambridge Corporate Governance Network.

Ms. Marianne Laigneau, President, Enedis



Marianne Laigneau is currently Chairman of the Management Board of Enedis. She was previously Senior Executive Vice President Group in charge of the International Division of EDF, member of the Executive Committee, from July 2017 to February 2020, Group Senior Executive Vice President Group in charge of Human Resources from December 2010 to July 2017 and Managing Director to the Human Resources from January 2010 to November 2010. She was also Corporate Secretary and Senior Executive Vice President from June 2007 to December 2009, having been General Counsel from joining the EDF Group in January 2005. Before coming to EDF, she was Head of Institutional Affairs at Gaz de France, where she was subsequently appointed Deputy Head, Information and Public Affairs, in September 2004. Between 1995 and 1997, she held various positions within the French Administration (Legal Adviser for the Ministry for cooperation, member of electoral missions in Mozambique for the UN and in Gaza for the EU). Between 1997 and 2000, she was posted to the Ministry of Foreign Affairs and appointed First Counsellor at the French Embassy in Tunis, where she oversaw communications, negotiations and political, community and legal affairs.

Prof. Matthew E. Kahn, Johns Hopkins University



Matthew E. Kahn is the Bloomberg Distinguished Professor of Economics and Business at Johns Hopkins University and the Director of JHU's 21st Century Cities Initiative. He is a research associate at the National Bureau of Economic Research and a research fellow at IZA. He has taught at Columbia, the Fletcher School at Tufts University, UCLA and USC. He has served as a Visiting Professor at Harvard and Stanford and as the Low Tuck Kwong Distinguished Visiting Professor at the National University of Singapore. He is a graduate of Hamilton College and the London School of Economics. He holds a Ph.D. in Economics from the University of Chicago. His research focuses on urban and environmental economics.

Prof. Anna Alberini, University of Maryland



Anna Alberini received her PhD in Economics from the University of California San Diego. She is currently a professor in the Department of Agricultural and Resources Economics at the University of Maryland, College Park. She teaches PhD-level econometrics courses, undergraduate statistics courses based on energy and environmental data, a course in the economics of climate change, and supervises numerous graduate and undergraduate research projects. She is an energy and environmental economist with a major focus on the economics of health and safety and non-market valuation. Her energy economics research focuses on residential energy demand, energy efficiency decisions and consequences of such decisions, policies targeted as shaping residential energy demand, and on vehicle fuel economy and Alberini has served two stints on the Science Advisory Board for Environmental Economics to the US Environmental Protection Agency and is currently the chair of the American Statistical Association committee that advises the US Energy Information Administration. She is also a member of the Editorial driving decisions.

Prof. Michael Caramanis, Boston University



Michael Caramanis (BS Stanford U., MS and PhD Harvard U.) is Boston University Professor of Mechanical and Systems Engineering. He served at the Greek National Energy council (1976-79) the MIT Energy Laboratory (1979-82), chair of the Greek Regulatory Authority for Energy from 2005 till recently and Investment Group Chair of the Brussels-based Energy Charter (2004-2008). He has directed several research projects sponsored by NSF, EPRI, NYSERDA and the Industry, authored many journal articles and co-authored *Spot Pricing of Electricity*, Kluwer, 1988. He researches complex stochastic production systems and decision support in real-time electric power markets. He currently focuses on the Cyber-Physical-Energy-System/Smart Grid that (i) is open to developers and users to render it capable of supporting real-time market at the wholesale and retail levels, and (ii) enables load and distributed resource management to mitigate T&D and Ancillary Services congestion and realize synergies among market-ready sustainable energy technologies including wind generation, distributed storage, roof-top PV and Hybrid Electric Vehicles.

Afternoon Parallel Session 2.2 - Circular Carbon Economy

Dr. Majid Al Moneef, Chair, SAE



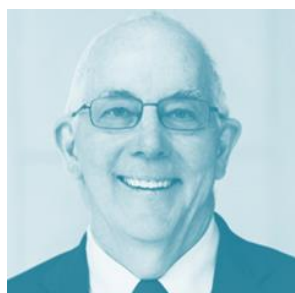
Dr. Majid Al-Moneef is the Chairman of the International Advisory Committee of King Abdullah Petroleum Studies and Research Center (KAPSARC)/ He is chairman of the the Saudi Association for Energy Economics (SAEE). He was the Secretary General and a member of the Supreme Economic Council of Saudi Arabia and Saudi Arabia's Governor to OPEC, the Chairman of the Gulf Cooperation Council (GCC) Energy Working Group, president of the Saudi Economic Association, professor of economics and vice dean at King Saud University and president of the Arab Energy Forum. He was a member of the Saudi Consultative Assembly, the Board of Trustees of the Economic Research Forum, the Officers Council of the International Association of Energy Economics (IAEE), the editorial Board of the Saudi Economic Journal and the advisory Board of OPEC Energy Review. Al-Moneef, who earned a PhD from the University of Oregon, in the United States, has wide experience in the field of energy, environmental economics, international trade and finance, as well as public finance and policy.

Dr. Noura Mansouri, Research Fellow, KAPSARC



Dr. Noura Mansouri is a lead co-chair of the climate change and environment section at the civic and social organization Think 20 Saudi Arabia (T20). She is currently the Co-chair of Task Force 2 on Climate Change, Sustainable Energy and Environment under Think 20 (T20) Italy 2021. She was the Lead Co-chair of Task Force 2 on Climate Change and Environment under Think 20 Saudi Arabia 2020. She earned her PhD degree in sustainability and energy transitions focusing on economics, the environment, technological innovation and clean energy, from University of London. She is the author of 'Greening the Black Gold: Saudi Arabia's Quest for Clean Energy'. Dr. Mansouri completed a post-doctoral research fellowship at MIT, and she is a recipient of the Ibn Khaldun Fellowship from the Center for Clean Water and Clean Energy at MIT and the King Fahad University for Petroleum and Minerals (KFUPM). Mansouri started her career in 2004 as a research assistant in the Center of Global Energy Studies in the UK. In 2012 she co-founded a nonprofit initiative, the Cella+ Network, with Al-Nahda Philanthropy Association. It was launched in Riyadh and later expanded the network's reach into Jeddah.

Mr. Adam Sieminski, President, KAPSARC



Adam Sieminski is the president of the King Abdullah Petroleum Studies & Research Center (KAPSARC) and senior advisor for the CSIS Energy Security and Climate Change Program. He previously held the CSIS James R. Schlesinger Chair for Energy & Geopolitics. Prior to joining the Center, he served as administrator of the U.S. Energy Information Administration (EIA). He was previously Deutsche Bank's chief energy economist, working with the bank's global research and trading units, where he drew on extensive industry, government, and academic sources to forecast energy market trends and wrote on a variety of topics involving energy economics, climate change, geopolitics, and commodity prices. Earlier, Mr. Sieminski was the senior energy analyst for NatWest Securities, covering the major U.S. international integrated oil companies. He is a senior fellow and former president of the U.S. Association for Energy Economics and served as president of the National Association of Petroleum Investment Analysts. In 2006, Secretary of Energy Samuel Bodman appointed him to the National Petroleum Council (NPC), where he helped author NPC's global oil and gas study, *The Hard Truths*.

Dr. Gasem Fallatah, Advisor to the Minister, MoEnergy



Dr. Gasem Fallatah is an advisor for HRH, the Saudi Minister of Energy. Since joining the Ministry team, Dr. Fallatah worked on establishing the Hydrocarbon Sustainability Program, which aims at sustaining hydrocarbons demands through focusing on the environmental and economic aspects. Dr. Fallatah is currently leading the coordination team working on establishing the Circular Carbon Economy National Program through Saudi Arabia, which aims to demonstrate its global leadership in tackling the emission challenges. Dr. Fallatah also leads the activities of the Association for Materials Protection and Performance in the West Asia and Africa region. Prior to joining the Ministry of Energy, Dr. Fallatah was the assistant deputy minister for Sectorial and Regional Development in the Ministry of Economy and Planning, before which he spent over 20 years in the Oil & Gas and Petrochemicals industries. Dr. Fallatah holds PhD degree from Newcastle University in Composite Materials engineering.

Dr. Ahmed Alsinan, Business Development Specialist, Aramco



Dr Al Sinan is Business Development Specialist at Aramco Ventures, previously he was Scientific Research and specialist in computational modelling in oil and gas. He holds a PhD in Mechanical Engineering from University of California, Santa Barbara.

Prof. Carlos Duarte, Kaust



Distinguished Professor Carlos M. Duarte is the Tarek Ahmed Juffali Research Chair in Red Sea Ecology at the King Abdullah University of Science and Technology (KAUST), in Saudi Arabia. Before this he was Research Professor with the Spanish National Research Council (CSIC) and Director of the Oceans Institute at The University of Western Australia. He also holds an adjunct position at the Arctic Research Center in Aarhus University, Denmark. He holds a PhD from McGill University, Canada.

His research focuses on understanding the effects of global change in marine ecosystems and developing nature-based solutions to global challenges, including climate change, and evidence-based strategies, which aim to help rebuild the abundance of marine life by 2050. Prof. Duarte's research is characterized by versatility addressing marine ecosystems from the tropics to polar ecosystems, from macrophytes to microbes, and from coastal systems to open ocean gyres using a broad range of approaches.

WEDNESDAY, 9 JUNE 2021

Morning Parallel Session 3.1 – The future energy mix

Prof. Keigo Akimoto, RTE



Keigo Akimoto is a Chief Researcher at the Research Institute of Innovative Technology for the Earth and the Leader of its Systems Analysis Group. He is a member of several advisory bodies on energy and environmental policy for the Japanese government. He is also an Associate Member of the Science Council of Japan.

Prof. Karsten Neuhoff, DIW Berlin



Karsten Neuhoff leads the Climate Policy Department at the German Institute for Economic Research (DIW Berlin) and is Professor at the Institute for Economics and Law of Technical University Berlin. He holds a PhD in Economics from Cambridge University and Master in Physics from Heidelberg University. His research focus on the economics and financing of a low-carbon transformation in the power, industry and building sector. He investigates how policies and markets can be designed to achieve carbon neutrality. In research and advice projects for national governments, EU Commission and international organizations and as board member of the research network Climate Strategies he brings together multi-disciplinary teams and engages stakeholders to enhance quality, relevance, and uptake of the research. He (co-)authored the books "Planetary Economics: Energy, Climate Change and the three domains of sustainable development" and "Climate Policy after Copenhagen - The Role of Carbon Pricing".

Mr. Thomas Veyrenc, Executive Director – Strategy, Planning and Evaluation division, RTE



Thomas Veyrenc has been senior advisor to the executive board of RTE, the French transmission system operator for electricity, since 2008. He joined RTE in 2006 as market design analyst. Previous experience includes the European Commission (2005-2006, Directorate-General for Energy and Transports). Thomas graduated from Supélec in 2004. He holds a MSc from University College London (2004, with distinctions) and from the French Institute for Political Studies (Sciences Po Paris, 2006, summa cum laude), majoring in European affairs. Each semester, he gives lectures in energy and economics at Supélec and the French Institute for Political Studies (Sciences Po Paris).

Mr. Brent Wanner, Head of the Power Sector Unit for the World Energy Outlook, IEA



Bent Wanner has been part of the dedicated team producing the World Energy Outlook (WEO), the flagship publication of the International Energy Agency (IEA), since 2012. He is currently head of the power sector modelling group of IEA, which researches and interprets power sector policies, generating the scenario-based projections out to 2040.

Morning Parallel Session 3.2 – Lessons from leaders in energy & climate policy

Prof. Amy M. Jaffe, Managing director of Climate Policy Lab at The Fletcher School, Tufts University



Amy Myers Jaffe is a leading expert on global energy policy, energy and sustainability, and geopolitical risk. She is a research professor and Managing Director of the Climate Policy Lab at Tufts University Fletcher School of Law and Diplomacy. Prior to joining Tufts Fletcher School, Jaffe was the David M. Rubenstein Senior Fellow for Energy and the Environment and Director of the Program on Energy Security and Climate Change. Jaffe also has served as the executive director for Energy and Sustainability at the University of California Davis and as senior advisor to the Office of the Chief Investment Officer of the University California Regents. Jaffe is currently co-chair of the steering committee of the Women in Energy Initiative at the Center for Global Energy Policy at Columbia University. She has taught energy policy, business and sustainability courses at Rice University, UC Davis and Yale University.

Ms. Barbara Pompili, Minister for the Ecological Transition of France



Barbara Pompili is since 2020 the Minister for Ecological Transition of France. She carries the Climate-Resilience bill, which emerged from the work of the French Citizens' Climate Convention.

Barbara Pompili joined the French party "les Verts" in 2000. Two years later, she managed the press relations for Noël Mamère's presidential campaign, with whom she learned her political skills. Collaborator of the deputy Yves Cochet until 2007, she then became until 2012 assistant secretary at the National Assembly of the Democratic and Republican Left group. In 2010, she participated in the founding congress of the Europe Écologie les Verts party, and in 2012 she was elected deputy for the 2nd constituency of the Somme. Since 2013, she has also chaired the Ecologist Group at the National Assembly.

Mr. Laurent Michel, General Director for Energy and Climate Change in the Minsiter of Ecological Transition, France



Laurent Michel. General Director for Energy and Climate Change in the Minsiter of Ecological Transition, France. A specialist in risk management, Laurent Michel began his career at DRIRE Lorraine, where he was head of the environment and water division. He then joined DRIRE Languedoc-Roussillon as head of the industrial development division and deputy director. In 2000, he took over the management of DRIRE Nord Pas-de-Calais and then of DRIRE Midi-Pyrénées.

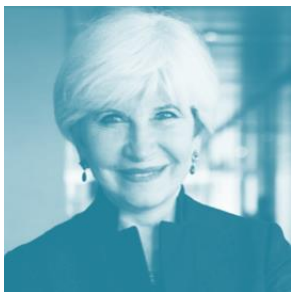
In 2006, he joined the Ministry of Sustainable Development where he was appointed Director of Pollution and Risk Prevention, responsible for major risks.

Prof. Teresa Ribera Rodríguez, Minister for the Ecological Transition of Spain



Teresa Ribera Rodríguez is the fourth Vice President of the Government of Spain and Minister for the Ecological Transition and the Demographic Challenge. Prior to that, She was Dir. of the IDDRI from 2014 to 2018, and enabled the Institute to play a key role in the negotiation of the Paris Climate Agreement and the transition towards sustainable development. She served as the Spanish Secretary of State for Climate Change and Biodiversity from 2008 to 2011.

Ms. Laurence Tubiana, CEO, European Climate Foundation



Laurence Tubiana is CEO of the European Climate Foundation. She is also the Chair of the Board of Governors at the French Development Agency (AFD) and a Professor at Sciences Po, Paris. Before joining the ECF, Laurence was France's Climate Change Ambassador and Special Representative for COP21. Following COP21, she was appointed High Level Champion for climate action. In 2001, she founded and then directed until 2014 the Paris-based Institute of Sustainable Development and International Relations (IDDRI). From 2009 to 2010, she created and then led the newly established Directorate for Global Public Goods at the French Ministry of Foreign Affairs. Laurence has held several academic positions, including as a Professor and Scientific Director for the International Development and Environmental Studies Master degrees at Sciences Po, Paris, and Professor of International Affairs at Columbia University, New York. She has been member of numerous boards and scientific committees, including the Chinese Committee on the Environment and International Development.

Concluding Keynote Session 3 – Concluding IAEE 2021 towards IAEE 2022: Shaping a clean energy future after COVID / energy industry message, climate address, policy ambitions and economists' remarks.

2019 IAEE President Christophe Bonnery



Christophe Bonnery was the 2019 President of the International Association for Energy Economics, IAEE. He is Vice President, Economics & Prospective, ENEDIS, the French power distribution company. He is also President of the French Association for Energy Economics since 2009. He created in 2012 the French Circle of Energy Economists, to promote energy economics to energy policy makers. He created the Marcel Boiteux Award in 2011, which recognizes the best French book on energy economics every year. Recently he was Vice President, Energy Policy for the AREVA Group. His role consisted in understanding current energy policies and promoting acceptable evolutions for all stakeholders: Governments, industries, consumers, researchers. In this position, he developed an influencing expert network in various countries. He was previously Vice President, Economic & Prospective Studies, AREVA. In this role, he headed a team of Senior Energy experts in charge of electricity markets, competitiveness assessments and all primary energies analyses.

Dr. Hoesung Lee, President, Intergovernmental Panel on Climate Change



Hoesung Lee is Chair of the Intergovernmental Panel on Climate Change (IPCC), elected since October 2015, and Endowed Chair Professor at Korea University Graduate School of Energy and Environment, Seoul, Korea. His research encompasses the economics of climate change, energy and sustainable development. He is a member of the Board of Directors of the Korean Academy of Environmental Sciences, and chair of the Asian Development Bank President's Advisory Board on Climate Change and Sustainable Development. Lee was the founding president of the Korea Energy Economics Institute — a government agency for national energy policy development. He served as the president of the International Association for Energy Economics, president of the Korea Resources Economics Association. He was Co-Chair of the IPCC Working Group III (the socio-economic dimensions of climate change) for the Second Assessment which provided a scientific basis for the UNFCCC's Kyoto Protocol. He served as Vice-Chair of IPCC 2008-2015, and lead author and review editor for the various IPCC assessments. He has served on many national and international committees addressing climate change and energy.

Mr. Jean-Bernard Lévy, CEO, EDF



Jean-Bernard Lévy was appointed Chairman and Chief Executive Officer of EDF Group on November 26th, 2014. From December 2012 to November 2014 he was the Chairman and Chief Executive Officer of Thales, a leading electronics and systems industrial group. From 2002 to 2012, he was at Vivendi, a global communications and digital media company, based in Paris. He was Chief Operating Officer of Vivendi from 2002 to 2005, and CEO from 2005 to 2012. From 1998 to 2002 he was Managing Partner, Corporate Finance at Oddo & Cie. Jean-Bernard Lévy was General Manager, Communications satellites of Matra Espace and then Matra Marconi Space from 1988 until 1993, when he became Chief of Staff to Gérard Longuet, the French Minister for Industry, Postal Services & Telecommunications and Foreign Trade.

Ms. Anne Houtman, Former Ambassador of the European Union; Member of the Belgian Royal Academy



Anne Houtman was until April 2016 Principal Advisor in the Directorate General for Energy at the European Commission after having been for 4 years Head of the Representation in France of the European Commission. She now teaches at Sciences Po, Paris. Prior to that, after two years as a Director in DG Internal Market and Services (2004-2006), she moved as a Director for Internal Market and Sustainability in the Directorate General for Transport and Energy and later as a Director for General Policy in DG Energy (2006-2010).

After teaching at the New York Polytechnic Institute and heading the Statistical Research Department of Nielsen Marketing, Belgium, she entered the European Commission in 1985. She worked for two years at Eurostat before joining the Directorate General for Competition in 1987 where she became Head of the State Aid Policy Unit in 1996. Between 1999 and 2004, she was member and later Deputy Head of Cabinet in the Office of President Romano Prodi.

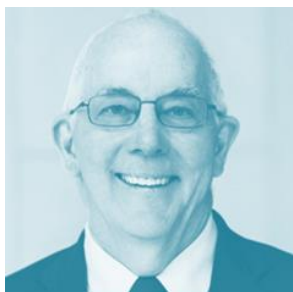
Prof. Paul L.Joskow, MIT



Paul Lewis Joskow is an American economist and professor. He became President of the Alfred P. Sloan Foundation on January 1, 2008.[3] He is also the Elizabeth and James Killian Professor of Economics, Emeritus at MIT.[4] He has served on the MIT faculty since 1972. From 1994 through 1998 he was Head of the MIT Department of Economics. From 1999 through 2007 he was the Director of the MIT Center for Energy and Environmental Policy Research.[5] Since rejoining in 2018 from his 1988-2007 term, Professor Joskow is Research Associate on the National Bureau of Economic Research (NBER).

Afternoon Parallel Session 3.1 – Oil in times of Energy transition

Mr. Adam Sieminski, President, KAPSARC



Adam Sieminski is the president of the King Abdullah Petroleum Studies & Research Center (KAPSARC) and senior advisor for the CSIS Energy Security and Climate Change Program. He previously held the CSIS James R. Schlesinger Chair for Energy & Geopolitics. Prior to joining the Center, he served as administrator of the U.S. Energy Information Administration (EIA). He was previously Deutsche Bank's chief energy economist, working with the bank's global research and trading units, where he drew on extensive industry, government, and academic sources to forecast energy market trends and wrote on a variety of topics involving energy economics, climate change, geopolitics, and commodity prices. Earlier, Mr. Sieminski was the senior energy analyst for NatWest Securities, covering the major U.S. international integrated oil companies. He is a senior fellow and former president of the U.S. Association for Energy Economics and served as president of the National Association of Petroleum Investment Analysts. In 2006, Secretary of Energy Samuel Bodman appointed him to the National Petroleum Council (NPC), where he helped author NPC's global oil and gas study, *The Hard Truths*.

Ms. Helen Currie, Chief Economist, ConocoPhillips Corporation



Helen Currie is Conoco Phillips' Chief Economist. Currie manages strategic planning initiatives, oversees long range plan development, and advises on investment analyses & political risk. At BG Group, she built and led the Americas Market Analysis research team, advised on M&A opportunities with Strategy & BD and developed Gas and Power Trading strategies. Her academic faculty roles provided opportunities to coach MBA's and undergraduates through finance and economics curricula and to develop student leadership organizations. Dr. Currie is a frequent speaker at industry venues and guest lecturer for training programs and universities. She has published research in finance, economics and management journals in addition to industry journals. She is a member of the Mississippi State University Foundation Board of Directors and College of Business Executive Advisory Board as well as the University of Texas Energy Institute Executive Advisory Board. She was named as one of Oil & Gas Investor's Top 25 Influential Women in Energy in 2018.

Dr. Bassam Fattouh, Director of the Oxford Institute for Energy Studies



Dr Bassam Fattouh is the Director of the Oxford Institute for Energy Studies (OIES) and Professor at the School of Oriental and African Studies (SOAS). He has published a variety of articles on energy policy, the international oil pricing system, OPEC behavior, the energy transition, and the economies of oil producing countries. Dr Fattouh served as a member of an independent expert group established to provide recommendations to the 12th International Energy Forum (IEF) Ministerial Meeting in Cancun (29-31 March 2010) for strengthening the architecture of the producer-consumer dialogue through the IEF and reducing energy market volatility. He is the recipient of the 2018 OPEC Award for Research. He acts as an advisor to a number of governments and companies. He is a regular speaker at international conferences.

Prof. Franziska Holz, DIW Berlin



Franziska Holz is Deputy Head of the Department Energy, Transportation, and Environment and coordinates the research area resource and environmental markets in the department. Her research deals with international natural gas, coal, and oil markets. She focuses on the interaction of these markets with climate policies and uses numerical equilibrium models.

Franziska is also an Adjunct Professor at the Norwegian University of Technology in Trondheim (NTNU) in the Energy Transition Programme. She was the Professor of Governance of Energy and Infrastructure at the Hertie School of Governance in the academic year 2015/2016. Franziska studied Economics at Paris 1 University Panthéon-Sorbonne (1998-2003). She obtained her PhD in economics in 2009 from TU Berlin.

Afternoon Parallel Session 3.2 – Nuclear

Dr. Michel Berthélemy, OECD NEA



Dr. Michel Berthélemy is a nuclear energy analyst at the Organization for Cooperation and Development Nuclear Energy Agency (NEA) where he leads international projects on the economics of nuclear, including Gen-III costs reduction opportunities, small modular reactors (SMR), Gen-IV, and fuel cycle related issues. Prior to joining the NEA in 2019, Dr. Berthélemy was in charge of nuclear energy economics studies at the French Atomic and Alternative Energies Commission (CEA) since 2015. Dr. Berthélemy graduated from Mines ParisTech in 2013 with a Ph.D. in energy economics.

Ms. Valérie Faudon, Executive Director, French Nuclear Energy Society (SFEN)



Valérie Faudon is General Delegate of the French Nuclear Energy Society (SFEN) and Vice President of the European Nuclear Society (ENS). She also teaches at the Public School of International Affairs at Sciences Po. After holding various management positions in groups in the United States and France, she served as Marketing Director of Areva from 2009 to 2012. Valérie is a graduate of École Polytechnique, École Nationale des Ponts et Chaussées, and the Institut d'Études Politiques in Paris. She also holds a Master of Science degree from Stanford University in California.

Dr. Sama Bilbao Y Leon, Director General, World Nuclear Association (WNA)



Sama Bilbao y León became the Director General of World Nuclear Association in October 2020. Previously, and since June 2018, she was Head of the Division of Nuclear Technology Development and Economics at the OECD Nuclear Energy Agency. In her role at the NEA, she led a team of analysts responsible for providing Member Countries with authoritative studies in the intersection of technology, innovation and economics in support of their energy policy decision-making. Since January 2020, she was also Head of the Technical Secretariat for the Generation IV International Forum (GIF). From 2011, she was the Director of Nuclear Engineering Programs and Associate Professor at the Department of Mechanical and Nuclear Engineering at Virginia Commonwealth University (VCU). Sama was responsible for the academic and research aspects of the new VCU nuclear engineering program.

Ms. Nicoletta Batini, Lead Evaluator, International Monetary Fund (IMF)



Nicoletta Batini is a scholar of innovative monetary and fiscal policy practices and has become a leading expert in the design of macroeconomic strategies to deal with the climate change/public health nexus, with a focus on land use and food systems. She has published extensively in all these fields. Prior to the IMF, she was Advisor of the Bank of England's Monetary Policy Committee, Professor of Economics at the University of Surrey, and Director of the International Economics and Policy Office of the Treasury in Italy. She has handled extensive consultancy roles internationally. She holds a Ph.D. in international finance (Scuola Superiore S. Anna) and a Ph.D. in monetary economics (University of Oxford). She currently works in the Fund's Independent Evaluation Office.

Mr. Christopher Bowbrick, Deputy Director, Nuclear, UK Department for Business, Energy & Industrial Strategy (BEIS)



Chris Bowbrick is Deputy Director Nuclear Energy Generation and International, Department for Business, Energy and Industrial Strategy (BEIS).

Closing Plenary Session – The New Energy Landscape

Prof. Yukari Yamashita, Director, The Institute of Energy Economics, Japan



As a Board Member for the Institute of Energy Economics, Yukari Yamashita's responsibility includes international publicity activities and development of bilateral programs in Middle East area. Yamashita has led miscellaneous international and regional programs in the area of energy cooperation through the International Energy Agency, Asia-Pacific Economic Cooperation, Economic Research Institute for ASEAN and East Asia, and International Partnership for Energy Efficiency Cooperation. She served as a member of the Zayed Future Energy Prize Selection committee (UAE) and has been the President of the International Association for Energy Economics (IAEE). Yamashita is also the Director in Charge of the Energy Data and Modelling Center, where she is responsible for quantitative and qualitative analyses on energy policy issues. In the aftermath of the 2011 tsunami and Fukushima Daiichi nuclear incident, her team's analyses and recommendations contributed greatly to the electricity-saving campaign and continue to contribute to the debate regarding a national energy mix for Japan.

Prof. Frank Wolak, Stanford University



Frank A. Wolak is the Holbrook Working Professor of Commodity Price Studies in the Department of Economics at Stanford University. His fields of specialization are Industrial Organization and Econometric Theory. His recent work studies methods for introducing competition into infrastructure industries — telecommunications, electricity, water delivery and postal delivery services — and on assessing the impacts of these competition policies on consumer and producer welfare. From January 1, 1998 to March 31, 2011, Wolak was the Chair of the Market Surveillance Committee of the California Independent System Operator for electricity supply industry in California. He is a Research Associate of the National Bureau of Economic Research (NBER). He currently directs the Program on Energy and Sustainable Development (PESD) in the Freeman-Spogli Institute (FSI) for International Studies and co-directs the Natural Gas Initiative at Stanford University. From January 2012 to December 2013, Wolak was also a member of the Emissions Market Advisory Committee (EMAC) for California's Market for Greenhouse Gas Emissions allowances. This committee advised the California Air Resources Board on the design and monitoring of the state's cap-and-trade market for Greenhouse Gas Emissions allowances.

Mr. Adam Sieminski, President, KAPSARC



Adam Sieminski is the president of the King Abdullah Petroleum Studies & Research Center (KAPSARC) and senior advisor for the CSIS Energy Security and Climate Change Program. He previously held the CSIS James R. Schlesinger Chair for Energy & Geopolitics. Prior to joining the Center, he served as administrator of the U.S. Energy Information Administration (EIA). He was previously Deutsche Bank's chief energy economist, working with the bank's global research and trading units, where he drew on extensive industry, government, and academic sources to forecast energy market trends and wrote on a variety of topics involving energy economics, climate change, geopolitics, and commodity prices. Earlier, Mr. Sieminski was the senior energy analyst for NatWest Securities, covering the major U.S. international integrated oil companies. He is a senior fellow and former president of the U.S. Association for Energy Economics and served as president of the National Association of Petroleum Investment Analysts. In 2006, Secretary of Energy Samuel Bodman appointed him to the National Petroleum Council (NPC), where he helped author NPC's global oil and gas study, *The Hard Truths*.

Prof. Jean-Michel Glachant, Director Florence School of Regulation, EUI



Jean-Michel Glachant is the Director of the Florence School of Regulation and the Holder of the Loyola de Palacio Chair. Glachant took his Ph.D. in economics at La Sorbonne in France. He worked in the industry and private sector before becoming professor at La Sorbonne.

He has been advisor of DG TREN, DG COMP and DG RESEARCH at the European Commission and of the French Energy Regulatory Commission (CRE). He has been coordinator and scientific advisor of several European research projects. Jean-Michel Glachant has been editor-in-chief of *EEEP*: "Economics of Energy and Environmental Policy" (an IAEE journal) and he is vice-president of the International Association for Energy Economics.

Prof. Debajit Palit, Director, The Energy and Resources Institute (TERI)



Debajit Palit is the Director of The Energy and Resources Institute (TERI). He has vast national and international experience and has undertaken a number of projects in over 15 countries across South and Southeast Asia and sub-Saharan Africa. He has also worked in different states across India, for UN and multilateral and bilateral organisations, foundations, national governments, and corporates.

Dr Palit represents TERI at the steering committee of the Energy for All Partnership of the Asian Development Bank and is a member of the LVDC Distribution Systems Sectional Committee (ETD 50), steered by the Bureau of Indian Standards. Earlier, he was also a member of the technical committee of the Decentralised Distributed Generation scheme under the National Rural Electrification Programme of the Government of India. Dr Palit holds a Master's degree in Physics and a Ph.D in Energy Policy.

Prof. Xiaoyi (Shawn) Mu, University of Dundee



Dr Xiaoyi (Shawn) Mu is a Reader in Energy Economics at Centre for Energy, Petroleum and Mineral Law and Policy (CEPMLP). He joined the centre in 2008 as a Lecturer and promoted to Senior Lecturer in 2012 and Reader in 2016. Before joining the Centre, between 2006 and 2008, he was a Senior Consultant at Global Energy Decisions (now ABB Ventyx) in California, providing advisory services on electricity prices and asset valuation of power plants. From 1994 to 2000, he worked as an analyst and manager at the headquarters of China National Petroleum Corporation (CNPC) and PetroChina, engaged in strategic planning and coordination of marketing activities in the refining and marketing division, and crude oil sales and planning at the natural gas and pipelines division. His research interest includes commodity pricing and volatility, industrial organization and strategies of energy companies, regulation and restructuring of energy industries, and China's energy policy.