

# Biographies of Speakers

Virtual Workshop on Integration of Renewable Energy in Energy Systems: Perspectives on Investment, Technology, and Policy

Event | 8 - 10 July 2020


Online


## Day1: 8 July (Wednesday)

### Opening Session


Welcoming Remarks				
	<i>Last Name</i>	Sonobe	<i>First Name</i>	Tetsushi
	<i>Institution</i>	Asian Development Bank Institute (ADBI)		
	<i>Position</i>	Dean and CEO		
Short Bio				
<p>Tetsushi Sonobe is the Dean and CEO of the Asian Development Bank Institute (ADBI), the Tokyo-based think tank of the Asian Development Bank that promotes the realization of a prosperous, inclusive, resilient, and sustainable Asia and the Pacific through policy research and capacity building. Born in 1960 in Tokyo, Dean Sonobe obtained his PhD in economics from Yale University and BA in economics from the University of Tokyo. His research interests include the empirics of economic development, particularly industrial development processes and poverty reduction in developing countries. Dean Sonobe has more than 20 years' experience analyzing the role of human capital, institutions, and management in industrial development in Asia and other regions. Notably, he and prominent agricultural and development economist, Keijiro Otsuka, applied their unique enterprise survey approach to a series of development process case studies in different industries in East Asia. They expanded the scope of their industry study to cover South Asia, Africa, and Central America and conducted randomized controlled trials of management training programs for business owners and managers. Before joining ADBI in April 2020, Dean Sonobe served for six years as a vice president of the National Graduate Institute for Policy Studies (GRIPS) in Tokyo. He also previously served as a professor of economics at Tokyo Metropolitan University and GRIPS. Dean Sonobe is a recipient of the Nikkei Book Publication Prize and the Masayoshi Ohira Memorial Prize, and a founding board member of the Japanese Association for Development Economics.</p>				

## Session 1 – Integration of Renewable Energy in Asia 1

Chair				
	<i>Last Name</i>	Azhgaliyeva	<i>First Name</i>	Dina
	<i>Institution</i>	Asian Development Bank Institute (ADBI)		
	<i>Position</i>	Research Fellow		
Short Bio				
<p>Her research interests include energy policy, particularly renewable energy, energy efficiency, and energy storage policies. She is currently a guest editor for the Journal of Sustainable Finance and Investment's special issue "Scaling up Green Finance in Asia: The Role of Policies and Regulations."</p> <p>Previously, she worked as a Research Fellow in the energy economics division of the Energy Studies Institute, National University of Singapore. She was also a Research Fellow at the Henley Business School, University of Reading where she was involved in empirical analysis of the impact of local content policy on extractive industries.</p> <p>From 2012-2015, she was an Economics Teaching Fellow at University College London. She also worked as a leading and chief specialist for the Tax Committee at the Ministry of Finance of Kazakhstan for five years.</p> <p>She holds a PhD, Master's, and Graduate Diploma in economics, all from the University of Essex. She also holds an internationally recognized teaching qualification from the Fellow of Higher Education Academy and a qualification in research career management from the Staff Educational and Development Association.</p>				

Paper 1: Presenter				
	<i>Last Name</i>	Yuan	<i>First Name</i>	Jun
	<i>Institution</i>	Shanghai Maritime University		
	<i>Department</i>	China Institute of FTZ Supply Chain		
	<i>Position</i>	Associate Professor		
Short Bio				
<p>Jun Yuan received his B.E. degree in Industrial Engineering and Management from Shanghai Jiao Tong University, Shanghai China, in 2008, and the Ph.D. degree in Industrial and Systems Engineering from National University of Singapore, Singapore, in 2013. From 2014-2017, he worked as a research fellow in National University of Singapore. He is currently an associate professor with China Institute of FTZ Supply chain, Shanghai Maritime University. His research interests include energy systems modeling, shipping energy systems, computer simulation, and machine learning.</p>				


Paper 1: Discussant

	<i>Last Name</i>	Lee	<i>First Name</i>	Deok-Joo
	<i>Institution</i>	Seoul National University (SNU)		
	<i>Department</i>	Industrial Engineering		
	<i>Position</i>	Full Professor		

Short Bio

**Deok-Joo Lee** received Ph.D. degree in the Dept. of Industrial Engineering from Seoul National University, South Korea in 1995. He was a visiting scholar of Waseda University, Japan and also a visiting scholar of the Dept. of EECS, U.C. Berkeley. Currently he is a full professor of the Dept. of Industrial Engineering, Seoul National University. He published more than 50 papers in academic journals such as Energy Policy, Applied Energy, Renewable & Sustainable Energy reviews, etc. His research interests include engineering economic analysis of energy systems, real option analysis, and game theory application in engineering systems


Paper 2: Presenter

	<i>Last Name</i>	Husaini	<i>First Name</i>	Dzul Hadzwan
	<i>Institution</i>	Universiti Malaysia Sarawak		
	<i>Department</i>	Faculty of Economics and Business		
	<i>Position</i>	Lecturer		


Short Bio

Dzul Hadzwan Husaini is currently a lecturer of Economics at Faculty of Economics and Business, Universiti Malaysia Sarawak and a Ph. D candidate at Universiti Sains Malaysia. His research interests include energy economics, business economics, public sector economics, international economics and financial economics. He has published several articles in a few indexed journals.


**Paper 2: Discussant**

	<i>Last Name</i>	Jamasb	<i>First Name</i>	Tooraj
	<i>Institution</i>	Copenhagen Business School		
	<i>Department</i>	Copenhagen School of Infrastructure		
	<i>Position</i>	Professor		
<b>Short Bio</b>				
<p>Tooraj Jamasb is CBS Endowed Professor of Energy Economics and Director for Copenhagen School of Energy Infrastructure (CSEI). He has previously held a post as Chair in Energy Economics at Durham University, the SIRE Chair in Energy Economics, Heriot-Watt University and was Senior Research Associate, University of Cambridge.</p> <p>He is also a Research Associate at Energy Policy Research Group (University of Cambridge); Centre for Energy and Environmental Policy Research (Massachusetts Institute of Technology); and Oviedo Efficiency Group (University of Oviedo). He is a member of the academic panel of the UK Energy Regulator Ofgem.</p>				

**Session 2 – Integration of Renewable Energy in Asia 2**

<b>Chair</b>				
	<i>Last Name</i>	Morgan	<i>First Name</i>	Peter
	<i>Institution</i>	Asian Development Bank Institute (ADBI)		
	<i>Position</i>	Senior Consulting Economist, Vice Chair		
<b>Short Bio</b>				
<p>Peter Morgan joined ADBI in December 2008. Previously he served in Hong Kong, China as Chief Asia Economist for HSBC where he was responsible for macroeconomic analysis and forecasting for Asia. Before that, he was Chief Japan Economist for HSBC and held comparable positions at Merrill Lynch, Barclays de Zoete Wedd, and Jardine Fleming. Prior to entering the financial industry, he worked as a consultant for Meta Systems Inc in Cambridge, Massachusetts in the United States specializing in energy and environmental areas, including energy policy issues in Asian countries, and at International Business Information KK in Tokyo specializing in financial sector consulting.</p> <p>His research focuses are macroeconomic policy and financial sector regulation, reform, financial development, financial inclusion, fintech, financial literacy, and financial education.</p>				


**Paper 3: Presenter**

	<i>Last Name</i>	Goldstein	<i>First Name</i>	Gary
	<i>Institution</i>	DecisionWare Group LLC		
	<i>Position</i>	President		

**Short Bio**

Gary Goldstein, Principle of DecisionWare Group, is a leading expert using the MARKAL/TIMES integrated energy system model platform for the analysis of clean energy, energy security and environmental policies and strategies. He was an original developer of model generators as part of the International Energy Agency's Energy Technology Systems Analysis Program, and is recognized as a global leader in the field. He led projects employing the platform to develop long-term national, regional, and local energy planning models in numerous countries around the world, performing major studies to understand the economic, security and environmental implications of energy policy and strategy, in particular for NDC determination in recent years. He also excels in capacity building for transition and developing countries to encourage better-informed energy/environmental decision-making as these economies evolve. Among current key clients are US Environmental Protection Agency, US Agency for International Development, International Energy Agency, World Bank, and numerous government/research/academic institutions around the world. He also worked at Brookhaven National Laboratory for 10-years and devoted 6-years to working at the International Atomic Energy Agency, Department of Safeguards.


**Paper 3: Discussant**

	<i>Last Name</i>	Li	<i>First Name</i>	Hailong
	<i>Institution</i>	Mälardalen University (MDH)		
	<i>Department</i>	Energy technology		
	<i>Position</i>	Assoc. Prof.		

**Short Bio**

Dr. Hailong Li is an Associate Professor in the department of environmental engineering energy engineering and Future Energy Centre at Mälardalen University, Sweden. His research interests mainly lie in the mitigation of the climate change and the efficient conversion and utilization of energy. He has published more than 100 scientific papers in peer-reviewed journals and international conferences with a personal H-index of 35 (Google scholar). Dr. Li is the subject editor of Applied Energy (IF: 8.426).


#### Paper 4: Presenter

	<i>Last Name</i>	Sarangi	<i>First Name</i>	Gopal
	<i>Institution</i>	TERI SCHOOL OF ADVANCED STUDIES, NEW DELHI, INDIA		
	<i>Department</i>	Department of Policy Studies		
	<i>Position</i>	Assistant Professor		

#### Short Bio

Dr Gopal K Sarangi is an economist with more than fifteen years of research and consulting experience. His primary domain of research covers energy market and regulation, intersection of energy technologies, fuels and resources with public policies, social systems and processes, energy and climate nexus, governance and institutional analysis of energy transition questions and impact assessment of energy and environmental interventions. He has contributed as PI, Co-PI, and team member to several collaborative projects. To his credit, he has published several peer-reviewed research papers in the domain of his research and has been invited to deliver talks in several national and international forums. He teaches courses on Development Economics, Managerial Economics, Environmental Economics and Energy Economics (partly).

#### Paper 4: Discussant


	<i>Last Name</i>	Komiyama	<i>First Name</i>	Ryoichi
	<i>Institution</i>	The University of Tokyo		
	<i>Department</i>	Nuclear Engineering and Management		
	<i>Position</i>	Associate Professor		


#### Short Bio

Ryoichi Komiyama is an Associate Professor of Department of Nuclear Engineering and Management, The University of Tokyo. He obtained a Ph.D. degree of electrical engineering from the University of Tokyo in 2003. His fields of research are energy system modeling and analysis. In the past, he was a visiting research scholar in Lawrence Berkeley National Laboratory (LBL) from 2007 to 2009 and in University of California at Berkeley (UCB) from 2011 to 2012. Currently, he serves as a member of many governmental committees such as electricity market design committee in Ministry of Economy Trade and Industry, Japan (METI).

## Day2: 9 July (Thursday)

### Session 3 – Energy Storage

Chair				
	<i>Last Name</i>	Kubo	<i>First Name</i>	Toru
	<i>Institution</i>	Asian Development Bank (ADB)		
	<i>Department</i>	Southeast Asia Department		
	<i>Position</i>	Principal Energy and Climate Change Specialist		
Short Bio				
<p>Toru joined ADB in 2004 as the organization's first full-time climate change staff. He was one of the original members of ADB's clean energy team which started the Asia Clean Energy Forum, and established the Carbon Market Program including one of the world's first post-Kyoto carbon funds. He also led ADB's work to promote climate change technologies through venture capital funds and helped establish various other initiatives focused on the nexus of climate change and energy security. In 2011 he was seconded to the UN Framework Convention on Climate Change Secretariat to help design the Green Climate Fund and the Climate Technology Centre and Network. Since 2014 he has focused on clean energy programs and projects in Southeast Asian countries, including a 2 year posting in ADB's Jakarta office to focus on energy and climate change operations in Indonesia. Prior to joining ADB, Toru was Asian Business Manager and Policy Analyst at Trexler Climate and Energy Services, and Research Associate at the American Council for an Energy-Efficient Economy.</p>				

Paper 5: Presenter				
	<i>Last Name</i>	Nian	<i>First Name</i>	Victor
	<i>Institution</i>	Energy Studies Institute		
	<i>Position</i>	Senior Research Fellow		
Short Bio				
<p>Victor holds a PhD in Mechanical Engineering and Bachelor in Electrical Engineering with a minor in Management of Technology, all from the National University of Singapore (NUS). Victor has more than 10 years' experience in nuclear policy research covering almost all aspects of peaceful and strategic use of atomic energy with a particular focus on technology and industrial developments. Victor's other policy research covers almost all industrial and economic sectors with a focus on technology assessment. Victor has developed an integrated systems analysis tool which is used as the key reference methodology for the Energy Storage System Testbed project commissioned by the Energy Market Authority of Singapore. Victor established a UNi-LAB on Integrated Systems Analysis Tools in partnership of academic and research organizations from eight countries under the "Research &amp; Innovation without Borders" initiative of Applied Energy Journal and served as the Executive Director since 2018. Victor is also an</p>				



advocate on the humanisation of artificial intelligence for strategic economic and industrial sectors.

Prior to joining the Energy Studies Institute, Victor has worked in usability and ergonomics consulting at a start-up firm, intellectual property management at Nanyang Technological University, and as an electrical engineer at Toshiba. Victor has partnered with consulting firms in developing energy systems modelling software and strategic applications of the Internet-of-Things. As for community service, since 2007, Victor has been serving in the Executive Committee of the Engineering Alumni Singapore (EAS), which is the official alumni association of the Faculty of Engineering at NUS. Victor was elected Vice President for two consecutive years in 2013/2014 and 2014/2015, and was elected President for 2015/2016 of EAS. He has served as a co-leader of the Nuclear Special Interest Group of the Institution of Chemical Engineers from 2014 to 2017.


#### Paper 5: Discussant

	<i>Last Name</i>	Shen	<i>First Name</i>	Bo
	<i>Institution</i>	Lawrence Berkeley National Laboratory		
	<i>Department</i>	Energy Analysis and Environmental Impacts		
	<i>Position</i>	Energy & Environmental Policy Research Scientist		

#### Short Bio

Dr. Shen is an Energy/Environment Research Scientist at the Energy Analysis & Environmental Impacts Division of the Lawrence Berkeley National Laboratory (LBNL). At LBNL, Dr. Shen pursues research on assessing and developing strategies for decarbonizing current energy systems through promoting energy efficiency and other demand-side solutions and advancing renewable energy. His research work covers a wide range of areas including energy efficiency policy and governance, techno-economic analysis of efficiency improvement and pollution reduction measures, energy management system, distributed energy resources, demand response, electricity market, green financing, carbon pricing, and emissions trading.

#### Paper 6: Presenter

	<i>Last Name</i>	Azhgaliyeva	<i>First Name</i>	Dina
	<i>Institution</i>	Asian Development Bank Institute (ADBI)		
	<i>Position</i>	Research Fellow		

#### Short Bio




Her research interests include energy policy, particularly renewable energy, energy efficiency, and energy storage policies. She is currently a guest editor for the Journal of Sustainable Finance and Investment's special issue "Scaling up Green Finance in Asia: The Role of Policies and Regulations."

Previously, she worked as a Research Fellow in the energy economics division of the Energy Studies Institute, National University of Singapore. She was also a Research Fellow at the Henley Business School, University of Reading where she was involved in empirical analysis of the impact of local content policy on extractive industries.

From 2012-2015, she was an Economics Teaching Fellow at University College London. She also worked as a leading and chief specialist for the Tax Committee at the Ministry of Finance of Kazakhstan for five years.

She holds a PhD, Master's, and Graduate Diploma in economics, all from the University of Essex. She also holds an internationally recognized teaching qualification from the Fellow of Higher Education Academy and a qualification in research career management from the Staff Educational and Development Association.


#### Paper 6: Discussant


	<i>Last Name</i>	Yan	<i>First Name</i>	Jerry
	<i>Institution</i>	Mälardalen University, Sweden		
	<i>Department</i>			
	<i>Position</i>	Chair Professor and Editor in Chief	<i>Country</i>	Sweden

#### Short Bio


Prof. Jerry Yan, PhD: Prof. Jerry Yan is chair professor of Energy Engineering at Mälardalen University, Sweden. Prof. Yan's research interests include advanced energy systems; renewable energy; advanced power generation; climate change mitigation technologies and related environment and policy etc. Prof. Yan published about 400 papers including papers in Science, Nature Energy, Nature Climate & Nature Communications and hold 10+ patents with about 13000 citations and H-index 57. Prof. Yan is the editor-in-chief of Applied Energy journal (Impact factor 8.4) & editor-in-chief of Handbook of Clean Energy Systems. He is the Chair of International Conferences on Applied Energy. He is an academician of European Academy of Sciences and Arts, and serves as the advisory expert to the UN, EU, & ADB etc. Founder of ICAE, AEii, UNILAB, iCET. He has led research platform (Future Energy Profile) with funding of over 80 MEuro funded by Swedish Knowledge Foundation and industrial partners, and participated in several EU Projects (FP5, FP6, FP7, and Horizon) and other international and national projects. He was granted with several awards, such as Global Human Settlements Award of Green Technology, 2014 with supported by UNDP etc. Finalist of SWFF (Securing Water for Food: A Grand Challenge for Development) award by USAID, Government of Sweden and the Netherlands, 2015; William Mong Distinguished Lecture, Hong Kong, 2017. Energy Islands' Award conferred by the European Union with the project TILOS (2017), Highly Cited Researcher 2019 (one of the two selected in engineering in Sweden) by Web of Sciences (2020), IVA's Research2Business Top100 (IVA=Swedish Royal Academy of Engineering Sciences).

## Session 4 – Technology and Infrastructure for Integrating Renewable Energy in Asia

Chair				
	<i>Last Name</i>	Cowlin	<i>First Name</i>	Shannon
	<i>Institution</i>	Asian Development Bank		
	<i>Department</i>	Southeast Asia Department		
	<i>Position</i>	Senior Energy Specialist		
Short Bio				
<p>Shannon Cowlin is an Energy Specialist with ADB currently leading initiatives the Philippines, Viet Nam, and Indonesia on renewable energy, electric mobility, and carbon capture and storage. She previously spent more than 3 years contributing to ADB’s renewable energy and energy efficiency programs based out of the India Resident Mission. Prior to joining ADB, Ms. Cowlin worked at the U.S. National Renewable Energy Laboratory where she led bilateral and multilateral collaborations on clean energy and served as supervisor for a sustainability analysis unit. Ms. Cowlin’s prior work focused on the intersection of energy use, emissions (at household, urban, and global scales), human health implications, and mitigation approaches.</p>				

Paper 7: Presenter				
	<i>Last Name</i>	Peimani	<i>First Name</i>	Hooman
	<i>Institution</i>	Independent Consultant		
	<i>Position</i>	Senior Consultant on energy security and related issues		
Short Bio				
<p>Dr. Hooman Peimani is senior research and policy leader with 28 years of experience in consulting, academia and analysis of global energy security and regional security of the major energy producing and consuming regions focused on Asia, the Middle East and Europe.</p> <p>Covering oil, gas/LNG, nuclear, renewables, pipelines, sustainable energy, climate change and clean energy technology, he has focused on project design, emergency planning, conceptualization, forecasting, trend assessment, country briefings/outlooks and organizational/governmental strategies, while working for entities such as Asia Pacific Energy Research Centre, Energy Studies Institute, Jane’s Defence, IAEA and UNEP, added to conducting project assessments &amp; executive training for energy corporations, regional organizations and governmental entities. Having extensive publications (10 books, 32 book chapters, over 250 journal/newspaper articles and scores of UN, APEC and governmental documents), he has been interviewed by leading media outlets (e.g., Bloomberg, Platts, The Wall Street Journal, CCTV, CNBC, Channel News Asia and Deutsche Welle).</p>				

**Paper 7: Discussant**


	<i>Last Name</i>	Nian	<i>First Name</i>	Victor
	<i>Institution</i>	Energy Studies Institute		
	<i>Position</i>	Senior Research Fellow		

**Short Bio**

Victor holds a PhD in Mechanical Engineering and Bachelor in Electrical Engineering with a minor in Management of Technology, all from the National University of Singapore (NUS). Victor has more than 10 years' experience in nuclear policy research covering almost all aspects of peaceful and strategic use of atomic energy with a particular focus on technology and industrial developments. Victor's other policy research covers almost all industrial and economic sectors with a focus on technology assessment. Victor has developed an integrated systems analysis tool which is used as the key reference methodology for the Energy Storage System Testbed project commissioned by the Energy Market Authority of Singapore. Victor established a UNi-LAB on Integrated Systems Analysis Tools in partnership of academic and research organizations from eight countries under the "Research & Innovation without Borders" initiative of Applied Energy Journal and served as the Executive Director since 2018. Victor is also an advocate on the humanisation of artificial intelligence for strategic economic and industrial sectors.


Prior to joining the Energy Studies Institute, Victor has worked in usability and ergonomics consulting at a start-up firm, intellectual property management at Nanyang Technological University, and as an electrical engineer at Toshiba. Victor has partnered with consulting firms in developing energy systems modelling software and strategic applications of the Internet-of-Things. As for community service, since 2007, Victor has been serving in the Executive Committee of the Engineering Alumni Singapore (EAS), which is the official alumni association of the Faculty of Engineering at NUS. Victor was elected Vice President for two consecutive years in 2013/2014 and 2014/2015, and was elected President for 2015/2016 of EAS. He has served as a co-leader of the Nuclear Special Interest Group of the Institution of Chemical Engineers from 2014 to 2017.

**Paper 8: Presenter**

	<i>Last Name</i>	Kockel	<i>First Name</i>	Christina
	<i>Institution</i>	RWTH Aachen University		
	<i>Department</i>	E.ON Energy Research Center		
	<i>Position</i>	Research Associate		


**Short Bio**

Christina Kockel is Research Associate at the E.ON Energy Research Center in Aachen, Germany, at the Chair for Energy Resources and Innovation Economics (JERI) of Aaron Praktiknjo. Her research focuses on methods of accounting for energy infrastructure and sustainability in energy system models. Christina Kockel graduated in Industrial Engineering from RWTH Aachen University. At the International Conference on Energy, Ecology and the Environment (ICEEE) 2019 in Stavanger, Norway, she was awarded the Best Paper Award for her contribution on sustainable and resource efficient microgrids.

Paper 8: Discussant				
	<i>Last Name</i>	Bunn	<i>First Name</i>	Derek
	<i>Institution</i>	London Business School		
	<i>Department</i>	Management Science and Operations		
	<i>Position</i>	Professor of Decision Science	<i>Country</i>	UK
Short Bio				
<p><b>Derek</b> is a Professor at London Business School. He is the author of over 200 research papers and 10 books in the areas of forecasting, decision technology and energy economics. He is a former Editor-in-chief of Energy Economics, the Founding Editor of the Journal of Energy Markets and has been Editor-in-Chief of the Journal of Forecasting for many years. He has worked with the electricity sector for over 35 years, advising many organisations including the House of Commons, and providing expert witness evidence in legal disputes. He is currently chairman of the UK Government's panel for the electricity capacity market and an independent board member of the Electricity Balancing and Settlements Code.</p>				


## Day3: 10 July (Friday)

### Session 5 – Policy for Integrating Renewable Energy in Asia

Chair				
	<i>Last Name</i>	Jeffries	<i>First Name</i>	Andrew
	<i>Institution</i>	Asian Development Bank (ADB)		
	<i>Department</i>	Energy Division, Southeast Asia Department		
	<i>Position</i>	Director		

Short Bio	
<p>Mr. Jeffries is the Director of the Southeast Asia Energy Division at the Asian Development Bank. The Division's operations include investments in energy infrastructure, policy advice, sector reform assistance, and promoting regional energy cooperation in the Southeast Asia region. Prior to joining ADB in 2007, Mr. Jeffries was a Senior Vice President in the New York office of Fortis Capital's Global Energy &amp; Utilities Group, providing project finance for conventional energy infrastructure, and tax equity investments for renewable energy project developers, including assisting Fortis' European clients entering the North American market. He joined Fortis from GE Energy Financial Services, Inc. (formerly known as the Global Energy Division within GE Capital's Structured Finance Group), a subsidiary of the General Electric Company, where he led the investment underwriting of equity investments and financings in the power and broader energy sector in the U.S. and internationally. Prior to GE, Mr. Jeffries worked at Caithness Energy, a project developer of geothermal power, as well other renewable independent power generation projects in the U.S. and Asia. He holds a Master of International Affairs degree specializing in international economics from Columbia University in New York, U.S.A. and a bachelor's degree in economics from Bucknell University, U.S.A.</p>	

Paper 9: Presenter				
	<i>Last Name</i>	Shen	<i>First Name</i>	Bo
	<i>Institution</i>	Lawrence Berkeley National Laboratory		
	<i>Department</i>	Energy Analysis and Environmental Impacts		
	<i>Position</i>	Energy & Environmental Policy Research Scientist		
Short Bio				
<p>Dr. Shen is an Energy/Environment Research Scientist at the Energy Analysis &amp; Environmental Impacts Division of the Lawrence Berkeley National Laboratory (LBNL). At LBNL, Dr. Shen pursues research on assessing and developing strategies for decarbonizing current energy systems through promoting energy efficiency and other demand-side solutions and advancing renewable energy. His research work covers a wide range of areas including energy efficiency policy and governance, techno-economic analysis of efficiency improvement and pollution reduction measures, energy management system, distributed energy resources, demand response, electricity market, green financing, carbon pricing, and emissions trading.</p>				

Paper 9: Discussant				
	<i>Last Name</i>	Zissler	<i>First Name</i>	Romain
	<i>Institution</i>	Renewable Energy Institute (REI)		
	<i>Position</i>	Senior Researcher		
Short Bio				


Romain Zissler joined Renewable Energy Institute in 2014. His research focus on power companies' new business models in Japan, Europe and the United States, the realization of Asia Super Grid, and the progresses of renewable energy deployment around the world.

Before joining Renewable Energy Institute, he worked for the Institute for Sustainable Energy Policies (ISEP) in Tokyo, Japan and REN21 in Paris, France.

He obtained a master's degree in energy finance at Paris-Dauphine University in 2012.

At Renewable Energy Institute, he has published more than 30 reports, columns, and articles.

#### Paper 10: Presenter


	<i>Last Name</i>	Jamasb	<i>First Name</i>	Tooraj
	<i>Institution</i>	Copenhagen Business School		
	<i>Department</i>	Copenhagen School of Infrastructure		
	<i>Position</i>	Professor		

#### Short Bio

Tooraj Jamasb is CBS Endowed Professor of Energy Economics and Director for Copenhagen School of Energy Infrastructure (CSEI). He has previously held a post as Chair in Energy Economics at Durham University, the SIRE Chair in Energy Economics, Heriot-Watt University and was Senior Research Associate, University of Cambridge.

He is also a Research Associate at Energy Policy Research Group (University of Cambridge); Centre for Energy and Environmental Policy Research (Massachusetts Institute of Technology); and Oviedo Efficiency Group (University of Oviedo). He is a member of the academic panel of the UK Energy Regulator Ofgem.


#### Paper 10: Discussant


	<i>Last Name</i>	Sarangi	<i>First Name</i>	Gopal
	<i>Institution</i>	TERI SCHOOL OF ADVANCED STUDIES, NEW DELHI, INDIA		
	<i>Department</i>	Department of Policy Studies		
	<i>Position</i>	Assistant Professor		

#### Short Bio



Dr Gopal K Sarangi is an economist with more than fifteen years of research and consulting experience. His primary domain of research covers energy market and regulation, intersection of energy technologies, fuels and resources with public policies, social systems and processes, energy and climate nexus, governance and institutional analysis of energy transition questions and impact assessment of energy and environmental interventions. He has contributed as PI, Co-PI, and team member to several collaborative projects. To his credit, he has published several peer-reviewed research papers in the domain of his research and has been invited to deliver talks in several national and international forums. He teaches courses on Development Economics, Managerial Economics, Environmental Economics and Energy Economics (partly).


Paper 11: Presenter				
	<i>Last Name</i>	Li	<i>First Name</i>	Hailong
	<i>Institution</i>	Mälardalen University (MDH)		
	<i>Department</i>	Energy technology		
	<i>Position</i>	Assoc. Prof.		
Short Bio				
<p>Dr. Hailong Li is an Associate Professor in the department of environmental engineering energy engineering and Future Energy Centre at Mälardalen University, Sweden. His research interests mainly lie in the mitigation of the climate change and the efficient conversion and utilization of energy. He has published more than 100 scientific papers in peer-reviewed journals and international conferences with a personal H-index of 35 (Google scholar). Dr. Li is the subject editor of Applied Energy (IF: 8.426).</p>				


Paper 11: Discussant				
	<i>Last Name</i>	Peimani	<i>First Name</i>	Hooman
	<i>Institution</i>	Independent Consultant		
	<i>Position</i>	Senior Consultant on energy security and related issues		
Short Bio				
<p>Dr. Hooman Peimani is senior research and policy leader with 28 years of experience in consulting, academia and analysis of global energy security and regional security of the major energy producing and consuming regions focused on Asia, the Middle East and Europe.</p> <p>Covering oil, gas/LNG, nuclear, renewables, pipelines, sustainable energy, climate change and clean energy technology, he has focused on project design, emergency planning, conceptualization, forecasting, trend assessment, country briefings/outlooks and organizational/governmental strategies, while working for entities such as Asia Pacific Energy Research Centre, Energy Studies Institute, Jane's Defence, IAEA and UNEP, added to</p>				



conducting project assessments & executive training for energy corporations, regional organizations and governmental entities. Having extensive publications (10 books, 32 book chapters, over 250 journal/newspaper articles and scores of UN, APEC and governmental documents), he has been interviewed by leading media outlets (e.g., Bloomberg, Platts, The Wall Street Journal, CCTV, CNBC, Channel News Asia and Deutsche Welle).


## Session 6 – Remarks on the Journal Special Issue

Chair				
	<i>Last Name</i>	Azhgaliyeva	<i>First Name</i>	Dina
	<i>Institution</i>	Asian Development Bank Institute (ADBI)		
	<i>Position</i>	Research Fellow		
Short Bio				
<p>Her research interests include energy policy, particularly renewable energy, energy efficiency, and energy storage policies. She is currently a guest editor for the Journal of Sustainable Finance and Investment's special issue "Scaling up Green Finance in Asia: The Role of Policies and Regulations."</p> <p>Previously, she worked as a Research Fellow in the energy economics division of the Energy Studies Institute, National University of Singapore. She was also a Research Fellow at the Henley Business School, University of Reading where she was involved in empirical analysis of the impact of local content policy on extractive industries.</p> <p>From 2012-2015, she was an Economics Teaching Fellow at University College London. She also worked as a leading and chief specialist for the Tax Committee at the Ministry of Finance of Kazakhstan for five years.</p> <p>She holds a PhD, Master's, and Graduate Diploma in economics, all from the University of Essex. She also holds an internationally recognized teaching qualification from the Fellow of Higher Education Academy and a qualification in research career management from the Staff Educational and Development Association.</p>				

Remarks				
	<i>Last Name</i>	Yan	<i>First Name</i>	Jerry
	<i>Institution</i>	Mälardalen University, Sweden		
	<i>Department</i>			
	<i>Position</i>	Chair Professor and Editor in Chief	<i>Country</i>	Sweden
Short Bio				

Prof. Jerry Yan, PhD: Prof. Jerry Yan is chair professor of Energy Engineering at Mälardalen University, Sweden. Prof. Yan's research interests include advanced energy systems; renewable energy; advanced power generation; climate change mitigation technologies and related environment and policy etc. Prof. Yan published about 400 papers including papers in Science, Nature Energy, Nature Climate & Nature Communications and hold 10+ patents with about 13000 citations and H-index 57. Prof. Yan is the editor-in-chief of Applied Energy journal (Impact factor 8.4) & editor-in-chief of Handbook of Clean Energy Systems. He is the Chair of International Conferences on Applied Energy. He is an academician of European Academy of Sciences and Arts, and serves as the advisory expert to the UN, EU, & ADB etc. Founder of ICAE, AEii, UNILAB, iCET. He has led research platform (Future Energy Profile) with funding of over 80 MEuro funded by Swedish Knowledge Foundation and industrial partners, and participated in several EU Projects (FP5, FP6, FP7, and Horizon) and other international and national projects. He was granted with several awards, such as Global Human Settlements Award of Green Technology, 2014 with supported by UNDP etc. Finalist of SWFF (Securing Water for Food: A Grand Challenge for Development) award by USAID, Government of Sweden and the Netherlands, 2015; William Mong Distinguished Lecture, Hong Kong, 2017. Energy Islands' Award conferred by the European Union with the project TILOS (2017), Highly Cited Researcher 2019 (one of the two selected in engineering in Sweden) by Web of Sciences (2020), IVA's Research2Business Top100 (IVA=Swedish Royal Academy of Engineering Sciences).

## Closing Session

Closing Remarks				
	<i>Last Name</i>	Morgan	<i>First Name</i>	Peter
	<i>Institution</i>	Asian Development Bank Institute (ADBI)		
	<i>Position</i>	Senior Consulting Economist, Vice Chair		
Short Bio				
<p>Peter Morgan joined ADBI in December 2008. Previously he served in Hong Kong, China as Chief Asia Economist for HSBC where he was responsible for macroeconomic analysis and forecasting for Asia. Before that, he was Chief Japan Economist for HSBC and held comparable positions at Merrill Lynch, Barclays de Zoete Wedd, and Jardine Fleming. Prior to entering the financial industry, he worked as a consultant for Meta Systems Inc in Cambridge, Massachusetts in the United States specializing in energy and environmental areas, including energy policy issues in Asian countries, and at International Business Information KK in Tokyo specializing in financial sector consulting.</p> <p>His research focuses are macroeconomic policy and financial sector regulation, reform, financial development, financial inclusion, fintech, financial literacy, and financial education.</p>				