

AGENDA

IEA Digitalization and Energy Workshop

Wednesday, 5 April 2017

Centre de Conférence Ministériel (CCM)
27 rue de la Convention, Paris, France 75015

8:15	Registration and coffee <i>[please bring a government-issued photo ID]</i>										
9:00	Welcome and introduction										
	<table> <tr> <td>IEA</td><td>Fatih Birol, Executive Director</td></tr> <tr> <td>IEA</td><td>Kamel Ben Naceur, Director, Sustainability, Technology and Outlooks</td></tr> </table>	IEA	Fatih Birol, Executive Director	IEA	Kamel Ben Naceur, Director, Sustainability, Technology and Outlooks						
IEA	Fatih Birol, Executive Director										
IEA	Kamel Ben Naceur, Director, Sustainability, Technology and Outlooks										
9:20	Keynote: Digital economy big picture										
	<table> <tr> <td>KPMG</td><td>Peter Evans, Principal, Innovation & Enterprise Solutions</td></tr> </table>	KPMG	Peter Evans, Principal, Innovation & Enterprise Solutions								
KPMG	Peter Evans, Principal, Innovation & Enterprise Solutions										
9:35	Panel 1: Digitalization and energy demand										
	<ul style="list-style-type: none"> What are the recent and potential future trends in energy consumption from increasing data centres, communications networks, and digital end-use devices? How can connected devices and digitalization influence energy demand, specifically facilitating energy savings through smarter energy efficiency programs; demand-side response; and cross-sector coupling in buildings, transportation, and industry? Which digital technologies and digitally-enabled services could have significant impact on energy consumption in the near-term? Which are more distant prospects or may be hype? What are broader energy implications of potentially disruptive technologies such as 3D printing, autonomous vehicles, sharing economy and blockchain? 										
	<table> <tr> <td>Moderator:</td><td>Luis Neves Chairman, Global e-Sustainability Initiative (GeSI)</td></tr> <tr> <td>Centrica Connected Home</td><td>Sudeep Maitra Global Director of Strategy and Development</td></tr> <tr> <td>International Transport Forum</td><td>Philippe Crist Senior Economist and Administrator</td></tr> <tr> <td>IETS TCP / CIT Industriell Energi</td><td>Karin Eriksson Project Manager</td></tr> <tr> <td>Rochester Institute of Technology</td><td>Eric Williams Associate Professor, Sustainability</td></tr> </table>	Moderator:	Luis Neves Chairman, Global e-Sustainability Initiative (GeSI)	Centrica Connected Home	Sudeep Maitra Global Director of Strategy and Development	International Transport Forum	Philippe Crist Senior Economist and Administrator	IETS TCP / CIT Industriell Energi	Karin Eriksson Project Manager	Rochester Institute of Technology	Eric Williams Associate Professor, Sustainability
Moderator:	Luis Neves Chairman, Global e-Sustainability Initiative (GeSI)										
Centrica Connected Home	Sudeep Maitra Global Director of Strategy and Development										
International Transport Forum	Philippe Crist Senior Economist and Administrator										
IETS TCP / CIT Industriell Energi	Karin Eriksson Project Manager										
Rochester Institute of Technology	Eric Williams Associate Professor, Sustainability										
11:05	Coffee										
11:35	Panel 2: Digitalization and power system transition										
	<ul style="list-style-type: none"> How can specific new digital technologies change the operational possibilities for the power systems of today and into the future? How can new digital smart system technologies enable the power sector transition to 2030 and beyond? What are the key steps along the road? What are the potential game-changers? Who will participate in real-time demand response markets and who will organise these? 										
	<table> <tr> <td>Moderator:</td><td>Laurent Schmitt Secretary General, ENTSO-E</td></tr> <tr> <td>RTE</td><td>Olivier Grabette Executive VP, Prospective, Expertise & Solutions</td></tr> <tr> <td>EnerNOC</td><td>Patrick Liddy Director for UK and Ireland</td></tr> <tr> <td>GE Energy Connections</td><td>Juan de Bedout Chief Digital Officer</td></tr> <tr> <td>Ministry of Economy, Trade and Industry (METI), Japan</td><td>Taiki Yamada Deputy Director, Electricity Market Office, Agency for Natural Resources and Energy</td></tr> </table>	Moderator:	Laurent Schmitt Secretary General, ENTSO-E	RTE	Olivier Grabette Executive VP, Prospective, Expertise & Solutions	EnerNOC	Patrick Liddy Director for UK and Ireland	GE Energy Connections	Juan de Bedout Chief Digital Officer	Ministry of Economy, Trade and Industry (METI), Japan	Taiki Yamada Deputy Director, Electricity Market Office, Agency for Natural Resources and Energy
Moderator:	Laurent Schmitt Secretary General, ENTSO-E										
RTE	Olivier Grabette Executive VP, Prospective, Expertise & Solutions										
EnerNOC	Patrick Liddy Director for UK and Ireland										
GE Energy Connections	Juan de Bedout Chief Digital Officer										
Ministry of Economy, Trade and Industry (METI), Japan	Taiki Yamada Deputy Director, Electricity Market Office, Agency for Natural Resources and Energy										
13:00	Lunch										

AGENDA

14:00	Panel 3: Capturing value from digitalization in energy markets and business models										
	<ul style="list-style-type: none"> How are energy business models, platforms, and market designs changing as a result of digitalization? What are the potential value chains of the future? Will we see increasing disaggregation in value chains, or will there be more horizontal integration by service providers? How can energy sector incumbents adapt, collaborate, and compete with new players in a rapidly changing landscape? How will entry of new non-energy sector business actors and institutions affect the sector? How is digitalization changing the nature of investments in traditional energy infrastructure, digital hardware, and analytics architecture? Who is investing in what? Where are the biggest financial gaps? 										
	<table> <tr> <td>Moderator:</td><td>Philipp Offenberg European Political Strategy Centre, EC</td></tr> <tr> <td>Iberdrola</td><td>Agustín Delgado Martín Chief Innovation Officer</td></tr> <tr> <td>OpenEE</td><td>Matt Golden CEO</td></tr> <tr> <td>BP</td><td>Julian Gray Technology Director, Digital Innovation</td></tr> <tr> <td>Citigroup</td><td>Anthony Yuen Director, Commodities Strategy</td></tr> </table>	Moderator:	Philipp Offenberg European Political Strategy Centre, EC	Iberdrola	Agustín Delgado Martín Chief Innovation Officer	OpenEE	Matt Golden CEO	BP	Julian Gray Technology Director, Digital Innovation	Citigroup	Anthony Yuen Director, Commodities Strategy
Moderator:	Philipp Offenberg European Political Strategy Centre, EC										
Iberdrola	Agustín Delgado Martín Chief Innovation Officer										
OpenEE	Matt Golden CEO										
BP	Julian Gray Technology Director, Digital Innovation										
Citigroup	Anthony Yuen Director, Commodities Strategy										
15:30	Coffee										
16:00	Panel 4: Policy and regulatory opportunities and barriers										
	<ul style="list-style-type: none"> How are leading governments addressing relevant policy and regulatory implications, barriers, and opportunities? What role can digitalization play in facilitating a cost-effective clean energy transition? In enhancing energy system resilience? What are the wider policy implications of digitalized energy, including for energy access, economic growth, employment, data ownership, and privacy? With which other policy fields will energy policy-makers need to coordinate more closely, to advance digitalization in the energy sector and to address cross-cutting issues like data privacy, risks, and resilience? 										
	<table> <tr> <td>Moderator:</td><td>Caroline Baylon AXA</td></tr> <tr> <td>Ministry for Economic Affairs and Energy (BMWi), Germany</td><td>Alexander Folz Head of the SINTEG Programme</td></tr> <tr> <td>National Climate Change Secretariat – Strategy Group, Singapore</td><td>Ho Hiang Kwee Lead Technologist</td></tr> <tr> <td>Ericsson Research</td><td>Jens Malmödin Senior Specialist</td></tr> <tr> <td>Gemalto</td><td>Thomas Weisshaupt Director of Smart Energy & IoT</td></tr> </table>	Moderator:	Caroline Baylon AXA	Ministry for Economic Affairs and Energy (BMWi), Germany	Alexander Folz Head of the SINTEG Programme	National Climate Change Secretariat – Strategy Group, Singapore	Ho Hiang Kwee Lead Technologist	Ericsson Research	Jens Malmödin Senior Specialist	Gemalto	Thomas Weisshaupt Director of Smart Energy & IoT
Moderator:	Caroline Baylon AXA										
Ministry for Economic Affairs and Energy (BMWi), Germany	Alexander Folz Head of the SINTEG Programme										
National Climate Change Secretariat – Strategy Group, Singapore	Ho Hiang Kwee Lead Technologist										
Ericsson Research	Jens Malmödin Senior Specialist										
Gemalto	Thomas Weisshaupt Director of Smart Energy & IoT										
17:30	Tour de table: closing guidance and thoughts from all participants										
18:15	Closing remarks										
18:30	Reception – Le Cépage, 25 Rue de la Convention										

- Download the **Poll Everywhere** app for your phone or bookmark <https://pollev.com/iea1>
- WiFi Login: **ccm-aie** Password: **5avril**
- Workshop webpage: <http://www.iea.org/workshops/digitalization-and-energy.html>

N.B.: April 6 deep-dive sessions will be held at IEA headquarters: 31-35 rue de la Fédération