



Centre for Energy, Petroleum
and Mineral Law and Policy
University of Dundee



2nd Dundee Energy Forum

*Evolving Global Energy and Resources
Landscape: Law, Policy and Economics*



Programme: 25th & 26th June 2018

Sponsored by:



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DAY 1 - 25th June 2018 - Dalhousie Building Lecture Theatre 4

09:00-09:30 Registration

09:30-09:40 Welcome: *Peter Cameron*, Director, CEPMLP, Professor of International Energy Law and Policy

09:40-11:00 **Session 1: Energy Outlooks**

The conference will start with a session of outlooks from BP, the IEF and the World Bank. How will the energy mix evolve over next 20-30 years? How will technology change the patterns of energy production and consumption? What is the role of non-energy minerals in the energy-transition? The introductory session will articulate these questions and explore their assumptions and methodologies.

Moderator: Shawn Mu

- **Comparison of Outlooks and future policies** - Xiansheng Sun, Secretary General, International Energy Forum; CEPMLP alumnus and Honorary Professor
- **BP Energy Outlook** - William Zimmern, Head of Global Macroeconomics, BP Plc
- **The transition to renewable energy - impact on mineral markets and producing countries** - Sven Renner, EGPS Program Manager, World Bank

11:00-11:20 Refreshments

11:20-13:10 **Session 2: The Changing Dynamics of Global Energy Markets**

Energy markets have been changing rapidly on a global level. Drivers of change are the transition to sustainable energy system and the emergence of non-conventional fossil sources. In addition, the Trump Administration in the US, the emerging global energy policy of the EU and changing geopolitical situations are redefining energy directions, layering additional change over ongoing technological and market changes. This session analyses the dynamics of the changes.

Moderator: Xiansheng Sun

- **Geopolitics and the current energy transition** - Paul Stevens, Distinguished Fellow, Chatham House; Professor Emeritus of CEPMLP
- **Global Energy Markets - US Foreign Policy Perspectives** - Richard Westerdale, Senior Advisor, Bureau of Energy Resources, U.S. Department of State
- **Energy in the EU's External Trade Policy** - Frank Hoffmeister, Head of Unit, DG Trade, European Commission
- Asma Muttawa, General Legal Counsel, OPEC
- **China's energy and diplomatic ties with African countries** - Guang Yang, Professor, China Academy of Social Sciences

13:10-14:00 Lunch

14:00-15:50 **Session 3: Energy Investment Trends, Challenges and Impacts**

Global energy markets require investment. This session explores medium to longer term trends, the enabling and constraining factors, and government policies for the large-scale investment in sustainable and secure energy sector.

Moderator: Peter Cameron

- **Trends in Oil & Gas Investment** - Robert Plummer, Vice President - Institutional Investor Service, Wood Mackenzie
- **Political Factors in the Middle East affecting energy investment** Sir William Patey, Former ambassador to Afghanistan, Iraq, Saudi Arabia, and Sudan
- Philip Daniel, CEPMLP Honorary Professor and Chair of the Advisory Board, Oxcarre, University of Oxford
- Stephan Hobe, University of Cologne, ECSL European Centre for Space Law

15:50-16:10 Refreshments

16:10-18:00

Session 4: Infrastructure for integrating low Carbon Energy Resources

The transition to a low carbon energy future imposes significant challenges to the infrastructure connecting producers and consumers. This session deals with the political, economic and regulatory framework for enabling, protecting and managing such infrastructure, across borders.

Moderator: Volker Roeben

- **Electricity trading and electricity storage** - Richard Green, Professor of Sustainable Energy Business, Head of Department of Management, Imperial College
- Munir Hassan, Partner, Head of Clean Energy, CMS Cameron McKenna Nabarro Olswang LLP
- Christoph Benedict, General Counsel GE Europe
- **Transboundary Energy Infrastructure within the Belt & Road Initiative** - Kong Qingjiang, Dean, China University of Political Science and Law

DAY 1 - 25th June 2018 - Parallel Session

Venue: Dalhousie Room 2G13

14:00-15:50 Minerals for Low Carbon Economies

Moderator: Ana Elizabeth Bastida

- Tom Butler, President, International Council on Mining and Metals
- Evelyn Dietsche, Independent Consultant
- Richard Morgan, Head of International and Government Relations, Anglo American



DAY 2 - 26th June 2018 - Parallel Sessions

09:00-10:50 Parallel Sessions 1 - 4

Parallel Session 1: International Law, Energy Trade and Climate Actions

Moderator: Stephen Dow

Venue: Dalhousie Lecture Theatre 2

- **Market Benchmarks and Government Monopoly: The Case of Natural Resources under Global Subsidies Regulation** - Julia Ya Qin, Wayne State University
- **International Law and Sustainable Energy Transition: Reflections on Intergovernmental Agreements to Phase out Fossil Fuel Subsidies** - Henok Asmelash, Max Planck Institute Luxembourg for Procedural Law
- **Stranded nations? The climate policy implications for fossil-fuel rich developing countries** - David Manley, Natural Resource Governance Institute
- **Winds of Change and the Future of Energy in the United Kingdom** - Peter Strachan, Robert Gordon University

Parallel Session 2: Energy Market Dynamics

Moderator: Xiaoyi (Shawn) Mu

Venue: Dalhousie Room 2F11

- **World Oil Study: A Global VAR Analysis** - Jennifer Considine, King Abdullah Petroleum Studies and Research Center
- **The relationship between crude oil prices, oil exploration and crude oil supply** - Esti Tri Widyastuti, University of Aberdeen
- **Modelling the production rate of international petroleum projects under PSC: the role of rate sensitivity** - Fazel Moridifarimani, University of Dundee
- **A multifractality-based quantitative measure for financial market efficiency - Statistical inference and an application for the European Union Emissions Trading Scheme** - Marc Gronwald, University of Aberdeen

Parallel Session 3: Alternative and Emerging Sources of Energy Supply

Moderator: Janeth Warden-Fernandez

Venue: Dalhousie Room 2F14

- **The Emergence of a Deepwater Province in the Southern Caribbean - the case of Guyana, Suriname and Trinidad & Tobago** - Kevin Ramnarine, former energy minister, Trinidad & Tobago
- **Small-scale liquefied natural gas (LNG): unlocking the opportunities for sector coupling and meeting the environmental challenges in energy & transportation** - Gokce Mete, University of Dundee
- **Energy resources of Indonesia and their application** - Scott Younger, President University
- **Changing energy options and national security in sub-Saharan Africa** - Ibibia Worika, University of Port Harcourt

Parallel Session 4: Risking Nationalisation of Energy Supply Networks: (International) Law and Economics to the Rescue?

Moderator: Pieter Bekker

Venue: Dalhousie Room 2F11

- Ariel Bergmann, CEPMLP
- Ana Stanic, Principal, E&A Law, London
- Csaba Kovacs, Consultant, CMS, London
- Fatima Bello, CEPMLP

10:50-11:10 Refreshments

11:10-13:00

Parallel Sessions 5-8

Parallel Session 5: Investment Protection and Disputes in the Energy Sector

Moderator: Volker Roeben

Venue: Dalhousie Lecture Theatre 2

- **International arbitration in the renewable field: recent developments in Spain** - Iñigo del Guayo, Universidad de Almería
- **Implications of the Achmea judgment of the CJEU for investment arbitration under the Energy Charter Treaty** - Martin Svec, Tel Aviv University
- **Avoiding a Trojan horse in Sensitive Sectors - An Assessment of the EU's proposal for an FDI Screening Mechanism** - Leonie Reins, Tilburg University
- **Role of the Legitimate Expectations Principle in Quest for Stability in International Energy Investments** - Rahmi Kopar, University of Dundee

Parallel Session 6: Pricing and Integrating Renewables in Electricity Markets: the Law & Economics

Moderator: Rafael 'Manny' Macatangay

Venue: Dalhousie Room 2F11

- **Optimal Pricing, Subsidies and Solar Panels: a two-sided market approach** - Raul Bajo-Buenestado, University of Navara
- **East Africa Community Electricity Market Integration: The economic welfare** - Geoffrey Mabea, University of Dundee
- **Energy Sector Governance and Cost Reflective Pricing** - Obindah Gershon, Covenant University
- **What we talk about when we talk about low carbon** - Geoff Wood, University of Stirling

Parallel Session 7: Resource Taxation and Governance

Moderator: Ariel Bergmann

Venue: Dalhousie Room 2F14

- **What can Mining Learn from Oil? A study of special transfer pricing rules in the oil sector, and their potential application to hard rock minerals** - Alexandra Readhead
- **The normative process of transparency in the extractive industry and its impact on resource governance** - Amina Lebdioui, Sonatrach
- **A brief history of time: taxation and mineral production in developing countries** - Balde Mamadou Tanou, University of Clermont-Auvergne
- **Issues in petroleum pollution regulation in Nigeria: Drawing lessons from foreign experiences** - Sunday Bontur Lugard, University of Jos

Parallel Session 8: The Just Transition to a Low Carbon Economy

Moderator: Raphael Heffron

Venue: Dalhousie Room 2S15

- Jack Sheehen, DFDL ASEAN, Tax Partner
- Dr Xiaoyan Zhou, Sustainable Finance Programme, Smith School of Enterprise and the Environment, University of Oxford
- Dr Darren McCauley, Sustainability Institute, University of St. Andrews

13:00-14:00

Lunch

14:00-15:50

Parallel Sessions 9-11

Parallel Session 9: Energy Sector Regulation, Liberalisation and Market Design

Moderator: Xiaoyi (Shawn) Mu

Venue: Dalhousie Lecture Theatre 2

- **Market Design for High Renewables Penetration Electricity Systems** - Michael Pollitt, University of Cambridge
- **Transforming the role of regulation in the era of Energy 4.0** - Penelope Crossley, University of Sydney
- **The UK capacity auction design: an experimental study** - Despina Yiakoumi, University of Aberdeen
- **The impact of liberalisation on the commercial and legal terms of gas imports to the EU** - Johannes P. Willheim

Parallel Session 10: Oil FDI and NOC-government Relationship

Moderator: Janet Xuanli Liao

Venue: Dalhousie Room 2F11

- **Evolution of the Key Drivers behind China's Investments in Africa: The cases of Sudan and Nigeria** - Janet Liao, University of Dundee
- **Attracting China's FDI for Oil: An Analysis of Host Country Characteristics** - Ariel Bergmann, University of Dundee
- **Deregulate to regulate: an analysis of the PSC in China** - Karolina Wysoczanska, Nottingham University
- **Reforming the relationships between governments and national oil companies** - John Nikolaou, Claremont McKenna College

Parallel Session 11: Infrastructure and Security of Supply

Moderator: Volker Roeben

Venue: Dalhousie Room 2F14

- **Power over Power: Cyber Governance and Critical National Infrastructure** - Jakob Haerting, University of Turku
- **Bilateralism versus Multilateralism: China-UK Energy Infrastructure Cooperation within a Potential FTA** - Cherry Chen, University of Swansea and China University of Political Science and Law
- **European gas market: regional developments and perspectives** - Natalia Timofte, INCE ASM
- **Energy Citizenship** - Robin Hill, University of Swansea

15:50-16:10 Refreshments

16:10-17:30 **Energy Ministers/Regulators Roundtable**

Moderator: Peter Cameron

Venue: Dalhousie Lecture Theatre 2

- Dr Mohammed Amin Adam, Deputy Minister of Energy (Petroleum), Republic of Ghana
- Traicho Traikov, former Minister of Economy and Energy, Bulgaria
- Kevin Ramnarine, former Minister of Energy, Trinidad and Tobago

Registration

Further Information

Contact the CPD team - c.seminars@dundee.ac.uk

Or telephone +44 (0) 1382 385871

Registration Fee

The conference is **FREE** to attend and will include refreshments and lunch on a daily basis

Register

You can register your place online at

<https://www.eventbrite.co.uk/e/evolving-global-energy-and-resources-landscape-law-policy-and-economics-tickets-43835246402>

Accommodation and Travel

The preferred hotel for conference delegates is the Hampton by Hilton Hotel which is a new hotel just 5 minutes walk from the conference venue and 10 minutes walk from the bus and train station.

Discounted bedroom rates have been negotiated and you can reserve here:

http://hamptoninn.hilton.com/en/hp/groups/personalized/D/DNDHXHX-UDU-20180620/index.jhtml?WT.mc_id=POG

Alternative accommodation options in the area are available and if you need assistance, please email c.seminars@dundee.ac.uk

Dundee is well connected by rail and road with the other major cities and airports in Scotland.

The closest international airports can be found at Edinburgh and Glasgow.

Dundee itself has a small airport which is connected by daily flights to and from London Stansted Airport.

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