



# ENERGY IRELAND<sup>®</sup> 2019

*Delivering Ireland's energy transition*

Croke Park, Dublin • 20-21 June 2019



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## Delivering a low carbon energy future

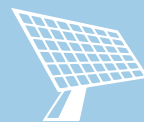
2019 is a seminal moment in the transition of the global energy sector to a low carbon future. With climate change taking on a renewed urgency in the public consciousness, the decarbonisation of the energy sector will only accelerate in the coming years. This year's Energy Ireland will look at the policy context to Ireland's energy transition. It will investigate the key dimensions and challenges of the transition to a low carbon energy system and look at the quickly evolving energy technology choices.

The conference will examine the next phase of development for renewable energy and how high levels of intermittent renewables can be facilitated by more flexible energy markets.

Although much of the focus to date has been on the electricity network, this year's conference will look at the Future Role of Gas (FRoG). There is now the opportunity to decarbonise the existing extensive natural gas network that now extends across much of the island. The conference programme will include the use of biomethane and hydrogen in existing infrastructure and also Carbon Capture and Storage technology for power generation from renewable gas.

Expert speakers will also investigate the trends driving the energy transition from climate to digital disruption. This year there will be a dedicated session on digital energy that will look across the energy sector and how digital technology is impacting on networks and markets.





Welcome to Energy Ireland® 2019. We are pleased to bring you the full programme for what we hope will be the biggest and best Energy Ireland conference yet. Ireland's energy sector, like that of the global energy sector, is in a transition phase on a pathway to a low carbon future. In addition 2019 has seen some geopolitical risks arise including Brexit. The conference will look in detail at the implications for the Irish energy sector of the UK leaving the European Union.

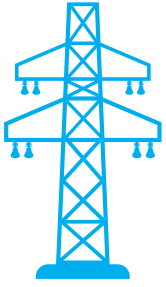
Make sure you book your place at Energy Ireland® 2019 to hear how the latest developments will impact your organisation as well as to network with industry acquaintances and meet new contacts – we look forward to seeing you in Dublin in June!

### Key themes for the 2019 conference

- ✓ The policy backdrop to the energy transition to a low carbon economy;
- ✓ Decarbonising electricity: towards a flexible electricity system and market;
- ✓ The Future Role of Gas (FRoG), biomethane and CCS;
- ✓ Financing Ireland's energy transition;
- ✓ Energy security in an uncertain world, including cybersecurity and interconnection;
- ✓ The next phase of renewable energy development: offshore wind and solar;
- ✓ Technology options for decarbonising Ireland's transport sector;
- ✓ Delivering low carbon heat for homes and industry;
- ✓ Empowering the consumer and enabling communities;
- ✓ The role of smart networks in the digital energy future.



ENERGY IRELAND®



# Ireland's largest annual energy conference

Energy Ireland® is Ireland's largest and most long-established energy conference, attended every year by all the key players in the Irish energy sector, as well as many from further afield who maintain an interest in how the energy sector in Ireland is developing.

Each year the conference examines the latest developments in the Irish energy sector by way of an expert panel of speakers, including local industry leaders, policy-makers and regulators. In addition, the conference regularly attracts high-level international speakers who look at major energy issues in the wider European or global context. Energy Ireland® should be firmly marked in the calendar of anyone wanting to stay up to date with what's happening across the Irish energy industry. Follow us on twitter [@energyireland](https://twitter.com/energyireland) for conference updates.

## 10 reasons you should book your place now!

1. Ireland's major annual energy conference – all key players attend
2. Excellent networking and business development opportunities
3. Hear from Ireland's energy leaders: DCCAE, CRU, ESB, Ervia, Bord Gáis Energy, SSE, SEAI, EirGrid
4. High profile visiting experts presenting external perspectives
5. In-depth workshops and briefings
6. Opportunity to hear all the latest developments in Irish energy in one place
7. Lively exhibition area
8. Over 300 delegates attend across two days
9. Opportunities for Q&A and direct engagement with speakers
10. Delegates will receive a complimentary copy of the 2019 Energy Ireland Yearbook – an essential desktop sourcebook





# Energy Ireland programme overview: Plenary and workshop sessions



## Irish energy leaders' debate

The energy sector is transitioning to a low carbon future. This is against the backdrop of an increasingly disruptive world; with climate change, Brexit and political uncertainty all impacting on the sector's future. This year there will be an interactive debate with Ireland's energy leaders on how they see this transition unfolding.

## Exploring Ireland's energy future

European energy policy continues to shape national policy, against an increasingly uncertain political backdrop. We look at the Commission for Regulation of Utilities new strategic priorities which will support the transition to low carbon networks and markets.

## Driving the energy transition

We look at the drivers behind the transition. Project Ireland 2040 has stated one third of the €116 billion infrastructure investment in the NDP will be climate change and energy related. We will also look at the funding and financing options for this investment.

## Future role of gas

Whilst much of the focus has been on electricity, this year we will look in-depth at the future role of the natural gas network for the transition to a low carbon economy. The potential for biomethane, hydrogen and Carbon Capture and Storage technologies will also be examined.



## Energy security

The island of Ireland imports most of its energy, a fact that has been highlighted by the Brexit chaos. This session will take a holistic view of energy security from developing indigenous oil and gas resources, cybersecurity and the role of interconnection.

## Dimensions to the transition

The second day of the conference will look at the dimensions of the transition: electric vehicles, hydrogen, solar energy and CCS. It will also look at how government policy can support the deployment of these technologies.

## Electricity market forum

With increasing levels of intermittent renewable energy sources, electricity markets are having to become more flexible. This has been a feature of the introduction of I-SEM and the forum will review the operation of the Irish market and look at future developments.

## Impact of Brexit on the energy sector

Ireland is the European country that will be most affected by Brexit and it has the potential to cause significant disruption right across the Irish energy sector. This will be a theme running through the two days of the conference and we have several expert speakers looking at this impact across different parts of the sector.



### BOYANA ACHOVSKI

Boyana ACHOVSKI is Secretary General for Gas Infrastructure Europe (GIE), the European association of gas transmission, gas storage and LNG regasification terminal operators. Prior to her current role, Boyana held the position of GIE Vice Executive Secretary for a period of four years. Before joining GIE, she worked for Bulgartransgaz, the Bulgarian transmission and storage operator, where she led the Analysis and International Operations Division, managing the company's undertakings relating to the European regulatory framework and European energy policy. Boyana was a Chair of GasNaturally Steering Committee from June 2017 to January 2018.



### JON CLIPSHAM

Jon Clipsham is Hydrogen Manager at European Marine Energy Centre in Orkney. He joined the organisation from the chemical industry, where he has a long experience of international business development and consultancy in the petrochemical, fine chemical, and pharmaceutical sectors. Jon gained a MSc in Managing Catalytic Technology from Liverpool University, and in his role at EMEC he manages a team dedicated to hydrogen development and is responsible for identifying and implementing opportunities for the organisation's rapidly evolving Hydrogen business.



### TADAS JAKŠTAS

Tadas Jakštas is an Energy Security Expert at NATO Energy Security Centre of Excellence (NATO ENSEC COE). He was appointed as a Civil Expert for NATO's Civil Emergency Planning Committee to serve as an adviser on all aspects of regional energy resilience, including in response to hybrid threats. His main expertise is on kinetic and non-kinetic threats to energy supplies, the protection of critical energy infrastructure, and resilience. Before joining NATO ENSEC COE, Dr Jakštas worked at NATO Allied Command Transformation in Norfolk (USA), the Ministry of National Defence of Lithuania, and the Council of the European Union where he focused on cyber security and defence policy issues.



### DAVID NEWBERY

David Newbery is Research Fellow, Director of the Electricity Policy Research Group and Emeritus Professor of Applied Economics at the University of Cambridge. He has managed research projects on utility privatisation and regulation, electricity restructuring and market design, regulation and transmission access pricing, climate change policies, merger analysis and the design of energy policy and energy taxation. He is Deputy Independent Member of the Single Electricity Market Committee of the island of Ireland, a panel member of Ofgem's Low Carbon Network Fund, former member of the Competition Commission, Chairman of the Dutch Electricity Market Surveillance Committee and advisor to Ofgem, Ofwat and ORR.



### TRUDE SUNDSET

Trude Sundset is CEO at Gassnova, the Norwegian state enterprise for CCS technology development. She has broad experience from international organisations as a board member in IEA GHG, CSLE, IPIECA, ZEP and The Hawthorn Club as well as leading positions within the area of energy, environment and climate issues in the oil and gas industry. She started her career as a researcher at SINTEF and then went on to work for Statoil ASA (today Equinor) for 19 years in roles including: Chief Researcher, Head of Environment and Climate International and Vice President Environment and Climate Corporate HSE.



### SONYA TWOHIG

Sonya Twohig leads Operations in ENTSO-E including pan European implementation programs through which the European TSOs establish common rules and policies, develop operational tools such as the Common Grid Model and leads the strategy on regional security coordination, in co-operation with European Commission, European regulator (ACER), distribution system operators and stakeholders. She is also responsible for leading the pan European strategies such as on Risk Preparedness including Cyber Security policies which support critical infrastructure together with the 43 TSOs that are members of the ENTSO-E association. Supporting TSOs and the wider industry in improving their approach and awareness of effective risk management and business continuity for TSOs is an area of particular interest to Sonya in her role in ENTSO-E.

## Hear the latest from Irish industry leaders



**Richard Bruton, TD**

Minister for Communications,  
Climate Action and  
Environment



**Pat O'Doherty**

Chief Executive  
ESB



**Paul McGowan**

Chair, Commission for  
Regulation of Utilities



**Jim Gannon**

Chief Executive  
Sustainable Energy  
Authority of Ireland



**Cathal Marley**

Chief Executive (Interim)  
Ervia



**Gino  
Vansteenhuyse**

CEO  
Calor Gas



**Ashling  
Cunningham**

Chief Information Officer  
Ervia



**Stephen Wheeler**

Managing Director  
SSE Ireland



**John FitzGerald**

Chairman  
Climate Change Advisory  
Council



**Úna Nic Giolla  
Chaille**

Principal, Department of  
Communications,  
Climate Action and  
Environment



**Mark Foley**

Chief Executive  
EirGrid



**Joanne Ross**

Head of Legal and  
Regulatory Affairs  
Bord Gáis Energy

# Day 1: Thursday 20th June 2019

08.30 REGISTRATION & MORNING COFFEE

09.00 Chairman's welcome and introduction:  
J Owen Lewis, Chair, **Energy Institute**

09.05 **CONFERENCE PLENARY: IRELAND'S ENERGY FUTURE**



**MINISTERIAL ADDRESS:** Richard Bruton, TD  
Minister for Communications, Climate Action and Environment

*Priorities in European energy policy*

Megan Richards, Director of Energy Policy, DG Energy, **European Commission**

*Low carbon solutions through well-regulated networks and markets*

Paul McGowan, Chair, **Commission for Regulation of Utilities**

*Creating a cleaner energy future for Ireland*

Jim Gannon, Chief Executive, **Sustainable Energy Authority of Ireland**

Question & answer session / Panel discussion

11.00 MORNING COFFEE / EXHIBITION NETWORKING BREAK

11.30



*The UK experience of energy markets transition*

Dermot Nolan, CEO, **Ofgem**

## THE IRISH ENERGY LEADERS' DEBATE

Chair: Claire Byrne, Broadcaster, RTÉ *(invited)*



**Mark Foley**

Chief Executive  
**EirGrid**



**Cathal Marley**

Chief Executive  
(Interim)  
**Ervia**



**Joanne Ross**

Head of Legal and  
Regulatory Affairs  
**Bord Gáis Energy**



**Pat O'Doherty**

Chief Executive  
**ESB**



**Stephen Wheeler**

Managing Director  
**SSE Ireland**

### Discussion topics:

What are the key priorities for decarbonising Ireland's energy sector? What technology options for decarbonisation will be deployed?

What will be the future role of gas in Ireland's future energy mix?

How will/has Brexit impacted on the Irish energy sector? Is Ireland's energy supply secure?

How do we progress the decarbonisation of the heat and transport sectors?

How do we put the consumer at the centre of the energy transition? What role will communities have?

How has your organisation deployed digital technologies?

13.00 CONFERENCE LUNCH sponsored by

**ARTHUR COX**



# Day 1: Thursday 20th June 2019

## 14.00 **SESSION: DRIVERS OF CHANGE IN THE ENERGY SECTOR**

CHAIR: J Owen Lewis, Chair, **Energy Institute**

*Climate: Driving Ireland's energy transition*

Professor John FitzGerald, Chairman, **Climate Change Advisory Council**

*2030 visions: Trends and challenges*

Sonya Twohig, Managing Director, **Entso-E**

*Developments in European Energy Policy*

Alex McLean, Partner, **Arthur Cox**

*Funding and financing Ireland's energy transition*

Cormac O'Rourke, Director of Corporate Finance, **Goodbody**

Question & answer session / Panel discussion

## 15.30 AFTERNOON COFFEE / EXHIBITION NETWORKING BREAK

### 15.45 **SESSION 1: FUTURE ROLE OF GAS**

CHAIR: J Owen Lewis, Chair  
**Energy Institute**

*Developing Europe's gas infrastructure*

Boyana Achovski, Secretary General  
**Gas Infrastructure Europe**

*Biomethane: Utilising existing gas networks*

Denis O'Sullivan, Managing Director  
**Gas Networks Ireland**

*Introducing Liquefied Natural Gas to Ireland*

Gino Vansteenhuyse, CEO  
**Calor Gas**

*Natural gas in Ireland's future energy mix in 2030*

Angus Paxton, Principal  
**Pöry Management Consulting**

Question & answer session / Panel discussion

### 15.45 **SESSION 2: DIGITAL ENERGY**

CHAIR: Chris Martin, Partner  
**Pinsent Masons**

*Plugging into a digital energy future: developments in energy technologies*

Paul Brodrick, Business Development Director - Digitalisation, **Siemens**

*Leveraging customers' data: dos and don'ts*

Chris Martin, Partner, **Pinsent Masons**

*The Digital Connected Utility*

Ashling Cunningham, Chief Information Officer, **Ervia**

*Meeting the challenge of digitalisation in the energy sector*

Sean Casey, Energy and Assets Leader  
**EY**

Question & answer session / Panel discussion

## 17.00 **ENERGY IRELAND DRINKS RECEPTION**

sponsored by



Pinsent Masons

# Day 2: Friday 21st June 2019

Delegates attending Day 2 of Energy Ireland have the option of attending one of two parallel sessions either looking at **dimensions of Ireland's energy transition** or **energy security**. The afternoon plenary session will focus on the **Irish electricity market**. There is no need to pre-register for these sessions; this can be done on the day.

## 09.00 **SESSION 1: DIMENSIONS OF IRELAND'S ENERGY TRANSITION**

CHAIR: **Tanya Harrington**, Head of Government Affairs and Regulation  
**Powerscourt**

*Quantifying options for Ireland's energy transition*

**Brian Ó Gallachóir**, Director, **MaREI Centre**,  
**University College Cork**

*Future mobility: The next wave for electric vehicles*

**Markus Wilthaner**, Consultant  
**McKinsey & Company**

*Hydrogen Islands: Orkney's energy system*

**Jon Clipsham**, Hydrogen Manager  
**The European Marine Energy Centre Ltd**

*Irish market outlook for solar energy*

**Michael McCarthy**, CEO  
**Irish Solar Energy Association**

*Climate action in transport*

**James Cogan**, Regulatory Affairs Manager  
**Ethanol Europe**

Question & answer session / Panel discussion

## 09.00 **SESSION 2: ENERGY SECURITY**

CHAIR: **Úna Nic Giolla Choille**, Principal Officer, **Department of Communications Climate Action and Environment**

*Developing Ireland's offshore oil and gas resources*

**Matt Collins**, Assistant Secretary, Natural Resources and Waste Policy  
**Department of Communications, Climate Action and Environment**

*Cyber security and resilience in energy networks*

**Dr Tadas Jakštas**, Energy Security Expert  
**The NATO Energy Security Centre of Excellence**

*The importance of interconnection in a post-Brexit world*

**Liam Ryan**, Interim Director, Grid Development and Interconnection, **EirGrid**

*Outlook for natural gas in Europe, UK and Ireland*

**Patrick Heather**, Senior Research Fellow  
**Oxford Institute for Energy Studies**

Question & answer session / Panel discussion

10.45 MORNING COFFEE / EXHIBITION NETWORKING BREAK



# Day 2: Friday 21st June 2019

## 11.15 **DIMENSIONS OF IRELAND'S ENERGY TRANSITION (cont)**

CHAIR: Tanya Harrington, Head of Government Affairs and Regulation, **Powerscourt**

*Elements of Ireland's strategic energy policy*

Martin Finucane, Principal, **Department of Communications, Climate Action and Environment**

*The outlook for carbon capture and storage technology*

Trude Sundset, CEO, **Gassnova**

*Energy storage potential for Ireland's sustainable energy future*

Tony Day, Director, **International Energy Research Centre**

*Creating new local energy community co-operatives*

Martin Hill, Electrical Engineering Lecturer, **Cork Institute of Technology**

*Vehicle-to-grid: Electric cars and the grid*

Miguel Ponce de Leon, Chief Architect, **TSSG**

Question & answer session / Panel discussion

13.15 NETWORKING CONFERENCE LUNCH

Sponsored by



## 14.00 **CONFERENCE PLENARY: IRISH ELECTRICITY MARKET FORUM**

CHAIR: Úna Nic Giolla Choille, Principal Officer, **Department of Communications, Climate Action and Environment**

*Making the case for supporting renewable electricity*

Professor David Newbery, Deputy Independent Member, **SEM Committee**

*RESS: Support for renewable energy development*

Richard Murphy, Partner, Head of Energy (Ireland), **Pinsent Masons**

*A consumer-centric approach to the energy transition*

Kevin Shiels, Director of Retail Markets, **Utility Regulator**

*Meeting the needs of energy consumers in a fast-changing environment*

John Walsh, Customer Solutions Manager, **ESB**

*Unlocking the potential of wind energy in Ireland*

David Connolly, CEO, **Irish Wind Energy Association**

Question & answer session / Panel discussion

15.30 CONFERENCE CLOSE



**Paul Brodrick** was appointed Business Development Director of Digitalisation at **Siemens** in June 2017. He previously held roles including Head of Smart Grid Applications & Solutions and Head of Connected Communities. Prior to joining Siemens, Paul was Managing Director of 22nd Century Energy Ltd responsible for the technical and commercial design of a number of community energy and smart city projects.



**Richard Bruton, TD, Minister for Communications, Climate Action and Environment** was appointed in October 2018. He previously served as Minister of Education and Skills from May 2016 to October 2018 and as Minister for Jobs, Enterprise & Innovation from 2011-2016. Richard was first elected to Dáil Éireann for Dublin North Central in 1982. He has served a number of terms as a member of Dublin City Council.



**David Connolly** is CEO of the **Irish Wind Energy Association (IWEA)** which is Ireland's largest renewable energy association. IWEA works with a wide range of internal and external stakeholders to build understanding and awareness of the benefits of Irish wind and renewable energy, and to ensure that Irish wind energy continues to provide clean, cost effective electricity to communities, businesses, factories and homes across Ireland. Previously, David was an Associate Professor in Energy Planning at Aalborg University in Copenhagen where his research focused on the design and assessment of 100% renewable energy systems for electricity, heat, and transport. He graduated as a Mechanical Engineer in 2007 and completed a PhD in energy modelling in 2011, both at the University of Limerick.



**Ashling Cunningham** is the Chief Information Officer at **Ervia** with responsibility across all areas of ICT. She has an established track record implementing state-of-the-art, technology based business applications to facilitate process and cultural re-engineering. She holds an M.Sc. in Management from Trinity College, Dublin and before joining Ervia worked as an independent consultant specialising in the implementation of financial software systems. Having held several senior leadership and consulting positions in international companies she will provide a valuable insight into the key challenges faced by IT leaders today.



**Tony Day** is the Executive Directive of the **International Energy Research Centre (IERC)**, based at the Tyndall National Institute in Cork, Ireland. The Centre is a partnership between government and industry to undertake innovative research in integrated energy solutions, focussing on the demand side and energy efficiency. Prior to this he worked for 20 years at London South Bank University (LSBU) in teaching and research, with a short spell in industry as Energy Services Director with TEAM (EAA Ltd). At LSBU he set up the Centre for Efficient and Renewable Energy in Buildings (CEREB), a research, demonstration and teaching facility for low carbon building energy systems. He has conducted research and published widely in the areas of building energy analysis and the application of low and zero carbon technologies in the urban environment. Tony is a Fellow of both CIBSE and the Energy Institute, and a past Chair of the UK Solar Energy Society.



**Martin Finucane** is the Principal Officer leading the Strategic Energy Policy Division within the **Department of Communications, Climate Action and Environment**. He has responsibility for energy policy development and coordination including preparation of the National Energy and Climate Plan as well as broader European Union and international energy policy. He previously worked as Head of Finance and the Renewable Energy Division in the Department.



**John FitzGerald** is one of Ireland's leading economists and a Research Affiliate with the Economic and Social Research Institute (ESRI) and an Adjunct Professor in TCD and UCD. He was a member of the Northern Ireland Authority for Energy Regulation from 2003 to 2006 and he is currently Chairman of the government's **Climate Change Advisory Council**.



**Mark Foley** was appointed Chief Executive of **EirGrid** in 2018. He previously held the role of Managing Director at Coillte Land Solutions having joined in August 2008. Prior to joining Coillte, Mark Foley was Director of Capital Programmes with the Dublin Airport Authority and was responsible for the permitting, procurement and delivery of over €1.5 billion of new infrastructure projects at Dublin, Cork and Shannon Airports, including Terminal 2 at Dublin Airport.



**Jim Gannon** is Chief Executive of **Sustainable Energy Authority of Ireland**, having joined the organisation in May 2016. He was formerly Director at RPS Group, leading the Energy, Environment and Health and Safety functions, with a core focus on the energy sector throughout his career. This has encompassed policy, infrastructure and technology projects at a European, National and Regional level for both the private and public sector. Jim is a Civil Engineering Graduate of NUI Galway, with a Masters in Environmental Assessment from the University of Wales, Aberystwyth and an MBA from the UCD Smurfit School of Business. Jim also serves as a member of the National Climate Change Advisory Council.



**Tanya Harrington** is Head of Government Affairs and Regulation at **Powerscourt**. Tanya has extensive experience as a public policy and regulatory affairs specialist, offering clients great insight into European regulated industry, including the energy, communications, broadcasting, postal and transport sectors. She has worked for 19 years representing businesses and working inside government. Most recently, she spent three years providing professional advisory services to companies seeking tailored solutions to their public policy and regulatory affairs needs. Previously, she has been the Director of the NTR Foundation, a Ministerial Advisor in the Department of Transport and the Department of Communications, Energy and Natural Resources, Head of Energy for Ibec and a policy analyst at the IIEA and European Commission. In 2015, she completed a Doctorate in Governance, at the School of Law, Queen's University Belfast on the topic of accountability and regulatory governance.



**Andy Kelly** leads **Pöyry's** commercial work in the Irish Electricity Market, and has more than 15 years' commercial experience in wholesale power and commodity markets. He has a detailed knowledge of the electricity markets in Ireland and the UK, including the impending I-SEM market and support schemes for renewable generators. Andy has a deep understanding of the commercial aspects of the electricity generation and trading markets, and extensive experience of leading strategic and commercial activities in the wholesale and renewable markets, involving a range of stakeholders.



**J Owen Lewis** is Chair of the **Energy Institute in Ireland** and chairs the IIEA Working Group on Climate. He is also Emeritus Professor of Architectural Science, UCD Dublin, and Hon Secretary of the Irish Green Building Council. He is a member of the Boards of the National Gallery of Ireland, the Marine Institute, and the Tipperary Energy Agency. Owen is Vice President of the Royal Dublin Society. Owen was previously Chief Executive of the Sustainable Energy Authority of Ireland (SEAI) between 2009 and 2012. Qualified as architect, engineer, and energy technologist, he has practised professionally in Ireland, England and Zambia. He was part-time Executive Director for Innovation and R&D at Bord na Móna between 2006 and 2008. Owen was Dean of the Faculty of Engineering and Architecture at UCD Dublin and later Principal of the UCD College of Engineering, Mathematical and Physical Sciences. In 1976 Owen co-founded the Solar Energy Society of Ireland.





**Chris Martin** is a Partner at **Pinsent Masons LLP**. Working within the energy sector, he advises utilities and renewable energy businesses on a range of commercial, IP and IT matters. Having developed a deep understanding of the UK metering services sector, Chris has led on a number of technology projects connected to the UK smart meter roll-out. For over 10 years, Chris has helped UK universities develop and exploit their research base and make the most of their intellectual and other assets. The legal directories rate him highly in the areas of intellectual property and education law.



**Alex McLean** is Head of the Infrastructure, Construction & Utilities Group in the leading all island law firm, **Arthur Cox**. Alex has over 20 years of specialist domestic and international energy sector expertise and has been centrally involved in almost every major development in the energy sector in Ireland and Northern Ireland for the past 15 years. Alex's experience includes project development, trading, market design, regulatory reform, M&A and financing in the conventional and renewable electricity and upstream and downstream gas sectors.



**Paul McGowan** has been a member of the **Commission for Regulation of Utilities (CRU)** since 2013 and was appointed Chair in February 2017. His lead responsibilities within CRU include water regulation, energy safety and wholesale energy markets. Prior to this Paul held various roles in CRU across energy safety, all-island energy markets and gas. Paul also previously worked in the offshore oil and gas, education and construction sectors. Paul is a Chartered Surveyor by profession with a PhD in the field of Construction/Engineering Management.



**Richard Murphy** is a Partner and Head of Energy (Ireland) at **Pinsent Masons LLP**. His energy expertise and experience includes advising clients on a range of regulatory, advisory and transactional matters. Richard is rated as a leading individual for energy work in both Chambers UK and the Legal 500. Richard sits on the Northern Ireland Renewables Industry Group Committee (NIRIG) and is a regular speaker at energy industry events and conferences.



**Úna Nic Giolla Choille** is Principal Officer in the **Department of Communications, Climate Action and Environment**, heading the Electricity and Gas Regulation Division. She previously worked in the Department of Finance, in the Office of the House of the Oireachtas and of the Revenue Commissioners and also with the Policy Institute in Trinity College. Having a primary degree in economics and geography, she also holds a master's degree in Public Sector Analysis, both from TCD.



**Brian Ó Gallachóir** is Director at **UCC's MaREI Centre**, an energy and marine-based research, development and innovation hub based in Ireland. Brian is elected Chair of the Executive Committee for IEA's Technology Collaboration Programme on energy systems modelling (IEA-ETSAP). His research focus is on building and using integrated energy systems models to inform energy and climate change mitigation policy. He is a member of Ireland's Gas Innovation Group and the Steering Group of Energy Cork, an industry-driven cluster pursuing coordinated actions to strengthen enterprise and employment within the energy sector in the Cork region.



**Pat O'Doherty** is Chief Executive of **ESB**. He joined ESB in 1981 and holds primary and masters degrees in Engineering from University College Dublin. He has also completed the Advanced Management Programme at Harvard Business School. Prior to his appointment as Chief Executive, he headed up each of ESB's main businesses as Executive Director ESB International, Managing Director ESB Networks and Executive Director ESB Power Generation. He is a Trustee of The Conference Board of the United States and is a Director of Energy UK.



**Cormac O'Rourke** is a Director in **Goodbody** Corporate Finance specialising in advisory on energy related transactions. He has over 25 years of experience in investment banking roles covering energy, infrastructure/public private partnerships. More recently, he was Investment Director of ESB International and prior to that he was European Head of Project Finance at KBC Bank NV. He has financed power stations, transmission lines, gas pipelines and LNG facilities. He was appointed chairman of the National Roads Authority and the Railway Procurement Agency in January 2013.



**Miguel Ponce de Leon** is Chief Architect at the **TSSG**, with over 20 years experience in the ICT industry. Miguel has participated in over 30 national and international research and innovation projects, in the research themes of Future Networking and Smart Grid. Miguel is leading a team that are providing cutting-edge real-time communication software solutions for the future electricity grid.



**Liam Ryan** is the Interim Director of Grid Development & Interconnection for the **EirGrid Group**, the Transmission System Operator (EirGrid) in Ireland and Northern Ireland (SONI). He is responsible for the delivery of the transmission system infrastructure in both jurisdictions, the development of new interconnection between Ireland and France with RTE and the operation of the EWIC interconnector between Ireland and Great Britain. A graduate of Trinity College Dublin, he has a PhD and Bachelor of Mechanical Engineering and holds a Masters in Mathematics.



**Kevin Shiels** is Director of Retail Markets and Consumer Protection at the **Utility Regulator**. His role includes leading on energy retail and customer protection strategy development; developing effective retail competition in the regulated energy sectors; and leading on retail market information and compliance issues. He has been with the Utility Director for over 10 years, working on gas industry regulation; setting up the initial water regulation framework in Northern Ireland; corporate strategy development and latterly leading on all retail energy market issues.



**Gino Vansteenhuyse** is the CEO of **Calor**, a leading supplier of LPG in Ireland. Gino took the helm at Calor Ireland at the beginning of 2018 with a wealth of experience in the energy sector across Europe. He has previously been Chief Commercial Officer with Primagaz in France, prior to which, he was Country Manager for Primagaz in Belgium. During his time with Primagaz, which like Calor is part of SHV Energy, Gino was a key driver of the BioLPG project within the Group. Gino will lead Calor in Ireland, as they launch this new sustainable energy product and begin a new era for the business in the renewable energy sector.



**Stephen Wheeler** is Managing Director of Ireland's second-largest energy utility **SSE Ireland**, part of the FTSE-listed SSE plc. Stephen has responsibility for overall strategy, commercial performance and business development for SSE's business in Ireland. Prior to this, Stephen was Managing Director of SSE's retail brand SSE Airtricity and previously General Manager for Ireland of SSE Renewables with responsibility for SSE's development and construction activities. Stephen came to SSE with significant international experience after working with ABB and Siemens, specialising in the development and construction of thermal power generation projects. A graduate of electrical engineering from University College Dublin with an MBA from the UCD Michael Smurfit Graduate Business School, Stephen is a past Chairman of the Irish Wind Energy Association (IWEA).

# Energy Ireland<sup>®</sup> exhibition area

***Selling fast!***



There are a limited number of exhibition spaces available at Energy Ireland<sup>®</sup>, the major all-island energy conference. The two-day, multi-stream conference provides an excellent opportunity for making contacts, networking and lobbying.

Booking up fast! Contact Sam Tobin on: +353 (0)1 661 3755 or email: [sam.tobin@energyireland.ie](mailto:sam.tobin@energyireland.ie)



Limited partnership opportunities available

Join Ireland's leading energy organisations in partnering with Energy Ireland<sup>®</sup> 2019. An excellent way to showcase your brand in association with Ireland's major annual energy conference, there are a small number of high profile packages available. For further information, contact us directly on +353 (0)1 661 3755 or email [info@energyireland.ie](mailto:info@energyireland.ie)



# The networking experience



Networking is a key element of the Energy Ireland® experience. With 300+ attendees from right across the industry, north and south, the conference is a valuable forum for meeting new contacts and renewing old acquaintances. Throughout Energy Ireland® 2019 there are plentiful opportunities for networking and business development.



## Exhibition

Energy Ireland® 2019 will feature a lively exhibition and display area. Exhibition stands offer the chance to speak with the developers of new industry projects, product and service providers and expert industry advisors.



## Coffee breaks

The two days of Energy Ireland® are punctuated by regular and frequent coffee breaks – in recognition that almost as much business gets transacted in the margins of the conference as in the plenary and workshop sessions!



## Q&A sessions

An important feature of the conference is the opportunity to engage with the speakers during the Q&A / panel discussions at the end of each plenary and workshop session.



## Networking lunches

An opportunity to refuel for the afternoon sessions but also, more importantly, to speak to fellow delegates and speakers while overlooking the impressive pitch at Croke Park!



## Drinks reception

The Day 1 drinks reception, sponsored by Pinsent Masons, offers delegates the perfect opportunity to relax and unwind over a glass of wine at the end of a day's discussion and debate. It is a prime time for catching up on the latest news from the day's proceedings and across the industry.



## Workshops

Alongside the plenary sessions in the main halls, Energy Ireland® 2019 will feature a programme of workshops which allow for in-depth examination of key issues at the forefront of Irish energy. There will be maximum opportunity for Q&A and discussion in all of the workshop sessions.

## Getting to the venue:

### Directions to Croke Park

Croke Park Conference Centre is located in the north Dublin neighbourhood of Drumcondra, around 20 minutes by car from Dublin airport.

**From the city centre / O'Connell Street:** Follow the signs for the N1 North onto Dorset Street and Drumcondra Road. At the railway bridge overpass on Drumcondra Road, turn right onto Clonliffe Road. At the next set of traffic lights, turn right onto Jones's Road for the Hogan stand entrance. (For car park continue to the end of Jones's Road into Russell Street turning left at the end of Russell Street onto the North Circular Road – follow directions below for parking).

**From the airport / north:** Follow directions for the city centre. Just before the railway overpass at the end of the Drumcondra Road Lower, turn left onto Clonliffe Road. At the next set of traffic lights, turn right onto Jones's Road for the Hogan Stand entrance. (For car park continue to the end of Jones's Road into Russell Street turning left at the end of Russell Street onto the North Circular Road – follow directions below for parking).

**By train:** The closest railway station is Drumcondra at the intersection of Drumcondra Road (N1) and Clonliffe Road, a 5 minute walk from Croke Park. The closest DART stations are Connolly (15-20 minute walk) and Clontarf (20-25 minute walk). The closest Luas and Intercity Rail stop is also at Connolly station.

**By bus:** From the city centre to Drumcondra Road: No 3, 11, 11A, 16, 16A and 41. From the city centre to Ballybough Road / Clonliffe Road: No 123.

**By bike:** There are bike rails situated outside the Hogan entrance to Croke Park (on Jones' Road) for secure cycle parking.

**Car parking:** There is limited free parking available for delegates attending the conference at the Davin Car Park. This is located off the North Circular Road and accessed via St Margaret's Avenue.

### Accommodation

There are a number of hotels located close to the venue, including: The Croke Park Hotel, Best Western Dublin Skylon Hotel, Gresham Hotel, Best Western Academy Plaza, Jurys Inn Parnell Street, Regency Airport Hotel.

There is a delegate room rate available at Croke Park Hotel, please quote BOOK190619.

## To register:



### Online

[www.energyireland.ie](http://www.energyireland.ie)



### By telephone

+353 (0)1 661 3755



### By email

[registration@energyireland.ie](mailto:registration@energyireland.ie)



### By post

bmf Business Services, Clifton House  
Lower Fitzwilliam Street, Dublin 2, D02 XT91

**Early bird delegate fee €645 + VAT @ 23% = €793.35**

**Available until Friday 26th April 2019**

**Delegate fee €795 + VAT @ 23% = €977.85**

*Fee includes documentation, lunch and other refreshments served during the conference and is payable in advance.*

### Terms and conditions

\* Invoices must be paid prior to the event taking place. For delegates unable to attend, a substitute participant may be sent at any time for no additional charge. Alternatively for cancellations received in writing, by fax or email, the following charges will apply:

- More than 21 days before the conference: 25% fee
- Less than 21 days before the conference: 100% fee
- Failure to attend: 100% fee

Fee does not include accommodation in Dublin.

### Acknowledgement of registration

Confirmation of registration will be emailed to all delegates following receipt of registration details. If you have not received your acknowledgement within 48 hours of registering, please email [registration@energyireland.ie](mailto:registration@energyireland.ie) to confirm your booking.



# ENERGY IRELAND® YEARBOOK 2019

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