



Energy for generations

Live Electric

Designing a Low Carbon Future

23 September 2019
Round Room at the
Mansion House
Dublin 2

INTRODUCTION

The 2019 IIEA/ESB conference, entitled *Live Electric: Designing a Low Carbon Future*, will showcase how consumer engagement with emerging technologies will lead to a large-scale, cross-sectoral transformation. The 2019 programme will inspire and astonish by offering a glimpse of a future that is comfortable, convenient, cost effective and electric.

This is not a remote or utopian vision: we already have the tools to build a low-carbon, electric tomorrow and only need to become agents for change by grasping the vast opportunities today that will transform our world.

By offering a holistic, cross-sectoral vision of an electric future, the 2019 programme aims to explore the kind of future that lies ahead for the next generation and will help to sharpen our focus on the task at hand and the steps to be taken given the imperative of climate action.



SESSION I – THE GRAND VISION: TRANSFORMATION THROUGH ELECTRIFICATION

The opening session will set out the policy agenda of climate action and will outline the valuable role of electricity in the transformation to a low carbon future.

9.00a.m.

9.15a.m.

Opening Remarks

Alex White

Chair, IIEA Energy Group and former Minister for Communications, Energy and Natural Resources

9.15a.m.

9.20a.m.

Video Address

Richard Bruton TD

Minister for Communications, Climate Action and Environment

9.20a.m.

9.40a.m.

Climate Leadership

Sir David King

Director, Cambridge Centre for Climate Repair and former UK Foreign Secretary's Special Representative for Climate Change

9.40a.m.

9.55a.m.

ESB's Transformative Vision

Pat O'Doherty

Chief Executive, ESB

9.55a.m.

10.15a.m.

Designing for Low Carbon Consumption

Professor Dieter Helm

Professor of Energy Economics, University of Oxford

SESSION II – CUTTING-EDGE DESIGN: TRANSFORMING THE WAY WE LIVE

Experts at the forefront of sustainable design will set out how electrification, combined with thinking outside the box, could transform our homes. Deyan Sudjic will examine the future of sustainable urban design. Carla Cammilla Hjort will give a keynote address on how smartly designed products enable sustainable living. Daan Roosegaarde will give a presentation on placing design at the heart of projects addressing the challenges of sustainability and climate change.

10.15a.m.

10.35a.m.

The Future of Sustainable Design

Deyan Sudjic OBE

Broadcaster, Architect and Director of the London Design Museum

10.35a.m.

10.55a.m.

Transforming the Way We Live

Carla Cammilla Hjort

Founder and Director, SPACE10

10.55a.m.

11.15a.m.

Landscapes of the Future

Daan Roosegaarde

Director, Studio Roosegaarde

11.15a.m.

11.35a.m.

Discussion and Audience Q&A

11.35a.m.

11.50a.m.

Coffee and Networking Break

SESSION III – TRANSFORMING TRANSPORT

In this session, delegates will learn about the transformative impact that electric transport will have on our cities and communities. The decarbonisation opportunities presented by the roll-out of electric shared mobility will also be explored. Philipp Rode will give a presentation on the future of sustainable urban infrastructure, while Jari Kauppila will speak about the findings of the ITF's Shared Mobility Simulations for Dublin. Kristen Panerali will provide a perspective from the World Economic Forum on how electric vehicles can contribute to sustainable cities.

11.50a.m.

12.10p.m.

12.10p.m.

12.30p.m.

12.30p.m.

12.50p.m.

12.50p.m.

1.10p.m.

1.10p.m.

2.10p.m.

Towards Sustainable Urban Infrastructure

Dr Philipp Rode

Executive Director, LSE Cities

Shared Mobility in Dublin

Dr Jari Kauppila

Head of Foresight and Quantitative Analysis,
International Transport Forum

The Future of Energy and Mobility

Kristen Panerali

Head of Electricity Industry, World Economic Forum

Discussion and Audience Q&A

Lunch and Networking Break

SESSION IV – HOME COMFORTS: RESIDENTIAL ENERGY EFFICIENCY

This session will focus on the challenge of making housing energy efficient. Ronald Rovers will describe innovative options for fast, effective means of retrofitting the existing housing stock. Jim Gannon will outline energy efficiency policy in Ireland. A panel discussion will explore people's experiences of retrofitting and upgrading their own homes.

2.10p.m.
2.30p.m.

48 Hour Deep Retrofits

Ronald Rovers

Director, Sustainable Building Support Centre

2.30p.m.
2.40p.m.

Energy Efficiency Policy in Ireland

Jim Gannon

CEO, Sustainable Energy Authority of Ireland

2.40p.m.
3.10p.m.

Panel Discussion - Sustainability Champions

Jim Gannon - Moderator

Sheila Hackett

Ali Sheridan

Michael Pearson

3.10p.m.
3.25p.m.

Coffee and Networking Break

SESSION V – MAKING THE TRANSFORMATION A REALITY

The final session will draw together the ideas that have been presented during the day. Matt Collins will address the implementation of the Irish Government's Climate Action Plan. Andrew McDowell will address the crucial issue of financing a sustainable future. Dr Yvonne Farrell will discuss how these ideas can be transformed into reality, drawing on her experience as curator of the 2018 Venice Biennale. She will conclude by referencing the sustainable design of ESB's new headquarters.

3.25p.m.

Financing the Sustainable Future

3.40p.m.

Andrew McDowell

Vice President, European Investment Bank

3.40p.m.

Collaborating with Communities to Design the Network of the Future

4.00p.m.

**Clare Duffy, Network Development and
Electrification Manager**

4.00p.m.

Transforming Ideas into Reality -

4.10p.m.

The Future of Sustainable Architecture

Dr Yvonne Farrell

Director of Grafton Architects

4.10 p.m.

Closing Remarks

4.30p.m.

Ruairi Quinn

Chairperson, IIEA

THANK YOU

