

**Community
Housing
Cymru
Events**



Low Carbon Conference 2019

Copthorne Hotel, Cardiff
18 July 2019

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Thursday 18th July 2019

09:00AM	Refreshments, networking and exhibition viewing Castell Lobby
9:30AM	Welcome Caerdydd Suite
	<i>Bonnie Navarra - Conference Chair</i> <i>Lead Change Maker, Office of the Future Generations</i> <i>Commissioner</i> @BonnieNavarra
09:45AM	Keynote <i>Julie James AM, Minister for Housing and Local Government</i> @wgmin_housing
10:15AM	Decarbonising Homes in Wales: Report and Recommendations <i>Chris Jofeh, Chair, Advisory Group on the Decarbonisation of Homes in Wales</i>
	Chris will provide an overview of the report and recommendations on the decarbonisation of Wales' existing housing stock. He will identify its impact on social housing and the role that HAs in Wales will play. The talk will be followed by a short Q and A session.

11:00AM	Refreshments
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11:30AM	<p>Homes of Today for Tomorrow: Research and Findings</p> <p><i>Dr Ed Green RIBA ARB, Welsh School of Architecture, Cardiff University & Dr Simon Lannon, Welsh School of Architecture, Cardiff University</i></p> <p>An overview of two recent research projects conducted by the Welsh School of Architecture - exploring retrofit pathways for the Welsh housing stock, and informing the ongoing development of a route map for decarbonisation.</p> <p>3 things delegates will get out of this session:</p> <ul style="list-style-type: none"> • An account of research underpinning Welsh Government’s agenda for decarbonisation of the national housing stock. • An explanation of the nature and impact of likely pathways to decarbonisation for existing house types. • A discussion of key factors likely to influence the strategy adopted for decarbonisation of housing in Wales.
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12:15PM	<p><u>Workshop 1</u></p> <p>‘Thinking Differently’ – what does it really mean?</p>
	<i>Andy Middleton, Chief Exploration Officer, The TYF Group</i>
	@gringreen / @TYFAdventure
	Caerffili Suite
	<p>Wales must reduce its carbon emissions by 80% in 15 years. Decarbonising our business models, supply chains, operations and our own lifestyle is the biggest, most important challenge of our time. We will have to work in radically different ways to play our role in building a resilient future. Andy will offer challenge and perspective on the critically important elements of scale and pace of change, and how organisations can create the culture and leadership that enable it.</p>

	<p>From attending this session delegates will:</p> <ul style="list-style-type: none"> • find out what it means to link head and heart for action on climate and sustainability • learn from practical examples of others putting this thinking into action
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12:15PM	<p><u>Workshop 2 – mini lecture</u></p> <p>The Science Behind Climate Change</p>
	<i>Dr Claire Earlie, Lecturer in Coastal Processes, School of Earth & Ocean Sciences, Cardiff University</i>
	@ClaireEarlie
	Harlech Suite
	Claire’s talk will address the scientific basis behind our changing climate. Looking towards the coastal zone in the south-west UK, Claire will present recent research on how rising sea levels, extreme waves and storminess influences our UK coastlines.

1:00PM	Lunch
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1:45PM	<p>Reaching Carbon Neutral by 2050, The Dutch Approach</p>
	Caerdydd Suite
	<p><i>Dolf Neilen, Aedes, Sustainability and Energy Saving Advisor</i></p> <p>Dutch housing associations want to achieve a carbon neutral energy supply in their stock by 2050. Aedes, the Dutch branch organisation, developed a strategic tool with 4 scenarios how to reach this goal. The fact that 90% of our almost 300 members filled it in gives us a thorough image of our ambitions. On the tactical and operational level it is evident to choose an approach in which the transformation of our stock, the regional energy transition and the affordability for our tenants comes together.</p>

2:30PM

Workshop 1

Myth Busting & Decarbonising Our Homes

*James Moxey, Consultant Business Development Manager,
WoodKnowledge Wales*

@SkyMountainInfo / @WKWales

Caerffili Suite

As climate change and the need to decarbonise becomes more widely and urgently considered, James explores different approaches to carbon including terminology and what it all really means to us in the sector. He will also consider the business case for decarbonisation including MMC in our approach.

3 things delegates will get out of the session:

- Myth busting different terminology – low carbon, zero carbon, net zero, negative emissions
- Examples in the housing sector
- A route-map from high-carbon to negative emissions

2:30PM

Workshop 2

**Moving from Insights to Innovation to
Address Energy Vulnerability in a Low
Carbon Energy Future**

Dr Rose Chard, Catapult Energy Systems

@rrchard1

Harlech Suite

Delegates will learn about the work undertaken by Energy Systems Catapult, with the Welsh Government Smart Living team and Cardiff University.

Dr Chard will draw on a range of work undertaken about how fuel poor households can be supported as the energy system changes with decarbonisation, decentralisation and digitalisation, such as how

	<p>emerging low carbon innovations may complement or undermine achieving energy justice outcomes for vulnerable households.</p> <p>From attending this session delegates will get a better understanding of the relationship between low carbon innovation, energy justice and fuel poverty.</p>
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3:15PM	Refreshments
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3.30PM	<p><u>Workshop 1</u></p> <p>Decarbonising Housing Through Biodiversity and Greening</p>
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	<i>Gary Grant and Dusty Gedge, Green Infrastructure Consultancy</i>
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	Caerffili Suite
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	<p>This session will identify the benefits of decarbonising housing through biodiversity and greening.</p> <p>The Green Infrastructure Consultancy will speak about the work they do and how we can incorporate green infrastructure in social housing (both in new build and retrofit contexts). They will also share the lessons they have learnt so far in this area.</p>
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3.30PM	<p><u>Workshop 2</u></p> <p>Electric Cars - Acceleration in Wales</p>
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	<i>Neil Lewis-Ynnis Sir Gar/TrydaNi</i>
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	@LowCarbonLewis/ @CarmsEnergy
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	Harlech Suite
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	<p>How can we decarbonise transport for all in Wales? Cleaner quieter streets and affordable efficient modes of transport available for more of our communities. A Co-operative way forward through "TrydaNi".</p>
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4.15PM	Going Further with Innovative Housing
	<p><i>James Williams, Managing Director, Sero Energy</i></p> <p>@ James_at_Sero</p> <p>Sero Energy is working in joint venture with Pobl on the UK's largest new build and retrofit energy projects. In this session James will share his experience in working on projects:</p> <ul style="list-style-type: none"> • Parc Eirin – 225 homes in Tonyrefail – which is the largest scheme to date supported under the Welsh Government Innovative Housing programme. • Penderry Retrofit – the retrofit of 644 homes (all social housing) in Swansea with PV, battery storage and intelligent controls to address fuel poverty and community energy generation. <p>James will outline how innovative homes can go further and compliment the transition to clean energy on the grid network whilst driving energy costs down for residents.</p>
4:45PM	Closing Remarks
	Caerdydd Suite
	<p><i>Bonnie Navarra - Conference Chair</i></p> <p><i>Lead Change Maker, Office of the Future Generations</i></p> <p><i>Commissioner</i></p> <p>@BonnieNavarra</p>
5:00PM	Conference close