

A Green Gas Future: Ireland's Gas Grid and its Role in Decarbonisation, Supply Security and Cost Competitiveness

Date: 7th December 2016

Time: 18:30 (sharp)

Venue: Engineers Ireland, 22 Clyde Road, Dublin 4

About the Event

The presentation will outline some of the work supported by the Gas Innovation Group (GIG), which is charged with funding R&D projects aimed at increasing the use of the natural gas grid and finding novel and sustainable supplies and demands of gas. The GIG is led by Gas Networks Ireland (GNI) and comprises members from key governmental departments and third-level institutions. The presentation will begin with an overview of the energy challenges facing Ireland and how the natural gas grid can be used to tackle them. The role of the GIG in R&D funding will be described. Finally a sample of GIG-supported projects will be briefly presented. These will range from academic research projects, such as resource studies and lab testing of raw feedstocks for renewable biomethane production, to full-scale commercial use of novel gas technologies, such as natural gas filling stations, gas driven transportation fleets and anaerobic digesters.

About the Speaker

Dr Rory Monaghan is Lecturer of Energy Systems Engineering and Mechanical Engineering at NUI Galway, positions he has held since 2012. Prior to this, he was a postdoctoral researcher in the Combustion Chemistry Centre at NUI Galway from 2010 to 2011. He obtained his Masters and PhD degrees in Mechanical Engineering from the Massachusetts Institute of Technology in 2005 and 2010, respectively, majoring in Thermal Energy Sciences, with a minor in Energy Policy. For 2013-2015, he was Director of the Energy Systems Engineering Programme at NUI Galway and was responsible for setting up and running the Bachelors and Masters Degrees, and for leading their accreditation by Engineers Ireland. Rory's research interests encompass multiple aspects of thermal energy, specifically combustion and gasification of renewable fuels, low emissions combined cooling, heat and power systems, thermal comfort and air quality in indoor and urban environments, and lifecycle assessment of biomass-based energy systems. He is a member of the Gas Innovation Group, led by Gas Networks Ireland, which awards research and demonstration funding related to natural gas use, infrastructure and renewable alternative fuels.

www.nuigalway.ie/therme

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