



**The Sustainable Electrical Energy Systems (SEES) Cluster Research
Work into the Future Smarter Electricity Networks.**

Professor Seán McLoone,

Professor and Director of the Energy Power and Intelligent Control (EPIC), Queen's University Belfast

Venue: Engineers Ireland, 22 Clyde Road

Time & Date: 6.30pm, 25th April, 2013

This presentation will describe the Sustainable Electrical Energy Systems (SEES) Cluster (a cooperative venture between academic institutions and companies across Ireland with the financial support of Science Foundation Ireland), which is tackling fundamental applied research and demonstration challenges to underpin the emergence of future integrated, smart and sustainable electrical energy systems.

The challenges addressed include the integration and optimisation of very high, variable renewable penetrations, the development of an active, smarter electricity network enabled by the deployment of information and communication technologies, facilitation of customer and utility demand management, and electrification of segments of the heat and transport markets.

Prof Seán McLoone, a native of Glenties, Co. Donegal, received his third level education at Queen's University Belfast (QUB), where he was awarded a Master of Engineering Degree with Distinction in Electrical and Electronic Engineering in 1992, a PhD in Control Engineering in 1996. He was a Postdoctoral Researcher (1996-1997) and Lecturer at QUB (1998-2002) and a Lecturer (2002-2005), Senior Lecturer (2005-2012) and Head of Department (2009-2012) at the Department of Electronic Engineering, NUI Maynooth before taking up his current post as Professor and Director of the Energy Power and Intelligent Control (EPIC) Research Cluster at QUB in January 2013. He also holds a joint appointment at the Department of Electronic Engineering, NUI Maynooth where he is a co-PI on the SFI funded Sustainable Electrical Energy Systems strategic research cluster grant led by University College Dublin.

The event is free and open to members and the public.

For further information, contact: andrew.keane@ucd.ie & greg.hanna@esbi.ie

This event will be webcast – see www.engineersireland.ie/events