Joint event from the IET & IEEE

Smart Approaches to Distributed Generation Connection and Operation

Dr Graham Ault, Smarter Grid Solutions

Te Aro 4 room, The Terrace Conference Centre, The Terrace, Wellington – Tuesday 20th June 12.20 -1.20pm – refreshments provided. Please RSVP to: **darren.baxter@theiet.org**

This talk reviews the international Distributive Generation DG developments and assesses several smart grid approaches to integrating DG. Specifically, Active Network Management (ANM) is explored in greater detail with starting from system and market context and moving through concepts and methods, technologies, applications and implementations. Attendees will be brought up to speed with specific international DG development examples and real case studies of the application of ANM to solve power system and DG customer challenges. Demos of the speaker's company products and projects will be provided and a discussion of all aspects of the talk is welcomed.

Dr. Graham Ault. MIET - Founding Director, Smarter Grid Solutions. UK

A leading light in future grid policy and projects in several countries, Graham Ault is part of the leadership team for Smarter Grid Solutions, an international consultancy that boasts drastic improvements in performance and significant savings in network upgrade avoidance costs for their electricity utility, policy and government clients. Graham has a strong background in grid modernization, power system planning, utility business models, smart grid and distributed generation, including resilient transitions to modern grid architectures.

A member of the IET's Power Network Joint Vision (PNJV) expert group, formed to help ensure national electricity networks are ready to meet significant challenges including EVs, solar and home heat pumps.

He is also part of the IET's Future Power System Architecture (FPSA) project, which is assessing the challenges to be faced in the electricity system by 2030 and identifying new functionality required.