

**INSTITUTION OF GAS ENGINEERS AND MANAGERS
ANNUAL CONFERENCE & ENGINEERING UPDATE 2009
23 AND 24 JUNE 2009 IMAGO LOUGHBOROUGH**

Profile of Speakers

Tuesday 23 June 2009

Gordon Davies

President, Institution of Gas Engineers and Managers

Gordon Davies has been a member of the Institution of Gas Engineers & Managers for over 40 years, a Chartered Engineer for 38 years and is a Fellow of The Institution. He is currently in his fifth term as an Ordinary Member of Council and has also served on Council as a District Section Member. He has been a District Section Chairman, Honorary Secretary of the Eastern Section and also served as President of the former Eastern County Gas Association.

Apart from his current position as a Trustee of the Institution, Gordon is Chairman of the Strategic Planning Committee, Vice-Chairman of the Membership Committee (due to take over as Chairman in September 2008), member of the Finance Committee, a Trustee of the Benevolent Fund and director of IGEM Trading. He is also an experienced Professional Review Interviewer, trains newly appointed interviewers and conducts C Eng workshops for engineering graduates.

After a successful career in the former British Gas spanning 35 years Gordon has, through his company G.A.S Consulting, undertaken assignments in the gas, oil and electricity industries in both the UK and overseas for over ten years. He is internationally recognised and his managerial and technical expertise has been used in Australia, USA, Far East, Middle East and many countries in Europe.

Simon Wills

Managing Director, Centrica Storage

Simon joined Centrica Storage as Managing Director in August 2008, moving across from his previous role as Head of Power Business Development within Centrica Energy. Simon has been with Centrica since de-merger and before that with British Gas plc. He started his career as a research engineer with British Gas in 1990 and since then has held a variety of commercial and technical roles within British Gas and latterly Centrica, both in the UK and Europe.

In his previous roles Simon has been heavily involved in Centrica's activities in power, including their original entry into the UK electricity market in 1998 and subsequent power station acquisitions. Simon has also worked within Centrica's European businesses, including a period as Director of the Energy Management Group in the Belgian supply JV, Luminus where he was responsible for all gas and power procurement and trading.

Terry Williams

Principal Consultant, GL

Terry is a chartered engineer with over 30 years experience with British Gas, BG Technology and Advantica managing the development and implementation of new technology for offshore and onshore gas processing, transmission and utilization plant.

He is a member of the Technical Coordination Committee of IGEM, the IGU study group PGC-D1 on International Gas Quality, the Marcogaz Utilisation Committee on European Standards and he is currently Vice President of GERG - the European Gas Research Group

Robert Brookes

Head of Asset Operations and Engineering, EDF Trading

Robert Brookes has nearly thirty years experience in the Oil and Gas industry. He holds a bachelor degree in Engineering Science from the University of Exeter and a Masters Degree in Management Science from Imperial College. The first half of his career was spent with manufacturers of compressors and gas turbines, working principally on oil and gas projects for the UK offshore and compressor station projects for gas pipelines. Robert has also worked as a compressor specialist and has spent the later part of his career developing projects.

He was a Director of Development Engineering at Enron Europe and was involved in a variety of gas and power projects. Robert was Director of Development Engineering for the Amoco Bilbao LNG regasification and power project and at EDF Trading, in his current role, he has responsibility for the Hole House gas storage facility, is a Director of EDFT Gas Storage Ltd, has worked to develop a gas storage project in Germany and has an involvement with EDF group activities in gas storage.

Harry Whitaker

Technical Operations Assistant, BG Group

Harry joined BG Operations in 2007 as Technical Assistant. He is involved in production forecasting and optimisation, technical assurance and asset integrity. Before joining Operations, he worked in the Government Affairs department at BG, developing the country entry papers for several Middle Eastern and North African countries. He has also worked with the MOD and Foreign Office in the Middle East. His time in Operations has been a great chance to develop a technical understanding of frontline operations in the industry.

He was nominated as the technical secretary to International Gas Union “Strategy and Economics” committee for the Malaysian triennium, which remains a career highlight, along with second place at the IGEM Young Persons Paper competition in 2008.

Robert Smart

Technical Engineer, GL

Robert has ten years experience in the UK gas industry. He started his career 1999 with Transco as part of a national validation team, targeting the distribution networks which had not previously been validated. He moved to West Midlands to carry out a Network Analysis model build and validation role.

In 2002, Robert joined Advantica as a technical engineer where he has worked on a range of Network Analysis consultancy projects. These have ranged from software implementation and training projects to creating models of clients networks to aid understanding of network capacity and operation.

Sachin Walavalkar

IGEM Wales Section and Young Persons’ Paper Competition 2009 Winner

Sachin started his career as Graduate Engineer, designing jigs and fixtures for the automotive sector. He moved to process industry marketing control valves and electro-pneumatic actuators for the oil and gas sector, taking a year off for a Masters in Business Administration. Upon

completion, he joined Envoy in 2005 in asset adoption of gas networks for major UIP's within the UK.

In 2007 Sachin moved to Connect as a designer undertaking gas and subsequently multi-utility designs (gas and electric) and has been involved in designing mixed use sites, typically in excess of 1000 domestic plots with commercial and industrial units. In January 2009 he took up the role of Senior Design Engineer within Metropolitan and has been involved with major projects, involving district heating and CHP plants.

Sachin was the winner of the 2009 IGEM Young Persons' Paper Competition and is a Member of the YPN membership panel and academic panel.

Roger Santon

Consultant to the Health & Safety Laboratory, Buxton

After 14 years as a chemical engineer in process development in various industries, and 26 years as an Inspector specialising in Fire and Explosion hazards for HSE, Roger retired from HSE in 2002 but has continued as a consultant to the Health and Safety Laboratory, and others.

In 1995 he became heavily involved in the safety of gas turbine driven power applications, and subsequently developed the HSE guidance on the subject and became HSE's national topic specialist on gas turbines. He initiated a number of significant research projects into the topic, in particular in the ventilation field, and was responsible for the introduction of CFD into the design of enclosure ventilation systems. Roger is convenor of ISO 21789, a new gas turbine applications safety standard.

He is a committee member of UKELG, the UK Explosion Liaison Group and also a member of the organising committee of the well-known "Hazards" series of major process safety international symposia held in the Northwest by I Chem E. He is also a member of ISO and BSI gas turbine technical committees, represents HSE on the IEC and BSI committees responsible for IEC 60079-10, the area classification standard, and on the group currently revising IGEM SR25.

Steve Keeton

Head of System Technologies, Vaillant Group

Steve began his career with T.I. Glow-worm in 1983 as sponsored student, studying Mechanical Engineering at Loughborough University. He started full time in the R&D department in 1986, responsible for developing Glow-worms first range of condensing boilers. After gaining Chartered Engineer status with the I Mech E Steve moved onto an MBA, completed at Aston in Birmingham, then went on to work in the Marketing Department as a Product Manager.

Subsequent roles (as the business developed, becoming part of Hepworth Group, then Vaillant Group) took him into Manufacturing, various Project Management roles within the business, then back into Marketing, into R&D as Technical Director for 7 years, and latterly as Head of System Technologies, again within Marketing. In the current role his team is responsible for Product Management and Systems/Application support, which has proved invaluable as Vaillant Group have moved successfully into renewable technologies such as Solar Thermal and Heat Pumps, to complement their wide portfolio of gas boiler products.

John Wilson

Technical Manager, Ravenheat

John has over 30 years experience within the industry and been a member of the Ravenheat team for nearly 20 of those years. Throughout his earlier career he gained a wealth of knowledge through a good sound apprenticeship gaining an understanding of both the domestic and commercial market.

After joining Ravenheat as a Technician he steadily climbed the ranks within the organisation to his present position. John's role is wide and diverse and he is heavily involved in the training needs of Gas Safe Engineers and Installers. He is also involved in renewable technologies and has sat on the all party parliamentary group on Gas Safety.

Mark Northcott

Director, Commercial Products, Broag-Remeha

Mark joined ICI in 1976 as a Commercial Trainee, progressing to Rother Boiler Calorifiers in 1984 as Area Sales Representative and to Sales Manager, Midtherm Flue in 1989. He moved to Broag-Remeha in 1991 as a Sales Representative involved with the early introduction of commercial condensing boilers, which had first been introduced by Broag in 1983!

He was promoted through the business to become Director-Commercial Products, overseeing the introduction of Renewable Technologies to the UK, Biomass & Micro-CHP.

Kevin Lucas

Application Sales Manager, Baxi HeatingUK – New Technologies

Kevin worked as an Apprentice Toolmaker with Triumph Motors - British Leyland and achieved a HND in Production & Mechanical Engineering. Due to the decline of the British motor industry, he moved to a position within the Oil & Gas industry working on fluid handling/emergency release systems. This incorporated a number of roles including Sales Engineer, Contracts Engineer and Project Engineer.

Since then he has been involved mainly with Combined Heat & Power (CHP) units in a sales capacity with Rolls Royce and Advantica (British Gas), before moving to Baxi in early 2003.

Within Baxi, Kevin has facilitated the development of Baxi Technologies and the launch of the Baxi "DACHS" mini-CHP unit into the UK and is now working as part of Baxi Group UK's renewable and low carbon technologies team, introducing and developing Baxi's range of renewable and low carbon products into the domestic market.

Gary Tomlin

Senior Consultant, GL

Gary is a Chartered engineer with over 25 years experience in the gas industry, working in both the natural gas and LPG market sectors. His expertise lies in gas distribution, utilisation, emergency service provision and the investigation of incidents. Gary is a member of IGEM's Gas Utilisation and Transmission and Distribution Committees.

He has investigated over 150 fatal and non-fatal gas related incidents, including fire, explosion and carbon monoxide poisoning and recently gave evidence at the Public Inquiry into the explosion at the Stockline plastics factory.

Stewart Myles

Senior Consultant, GL

Stewart joining the gas industry with Scottish Gas in 1982 as a distribution apprentice in Perth. In 1989, he joined the distribution support department in Dundee, undertaking leakage survey and governor replacements. With the Introduction of the Pressure Systems Regulations in 1994,

Stewart got involved in Integrity Management, gaining experience in Transmission as well as the Upstream environment.

Stewart is now a Senior Consultant with GL with responsibility for supporting worldwide clients on Integrity Management issues.

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Neil Pullen

UK Gas Operations Manager, National Grid

Neil is a mechanical engineer with over 16 years experience in the utility sector, covering the distribution and transmission of both gas and electricity. After a brief spell working as a designer in the building services engineering sector, Neil started with British Gas at the south western regional headquarters in 1992 as a network analyst supporting the distribution engineering functions. He progressed into transmission planning first regionally and then nationally and was appointed as the NTS Investment Manager for Transco in 2001. After the merger with the National Grid Company, Neil swapped fuels and held roles as the Operational Performance Manager supporting the electricity transmission field force and then Planning Manager, responsible for the scheduling and dispatch of all maintenance, repair and emergency work on the Grid.

Now UK Gas Operations Manager, Neil is currently responsible for the real time operation of the NTS and the facilitation of the commercial systems utilised by the entire UK gas industry.

John Arkley

Operations Manager, South Hook LNG Terminal

John's career commenced in 1973, with an indentured apprenticeship, within a UK North East Coast ship repair yard, as a fitter and turner. Upon completion of the apprenticeship he served in the British Merchant Navy as a Marine Engineering Officer. During the mid 1980s John came ashore to read Mechanical Engineering at Sunderland University and after graduating, joined Taylor Woodrow as a Mechanical Engineer/Workshop Manager on, at that time, Europe's largest open cast coal mine.

He joined Mobil Oil in Nigeria in 1987 and worked for nine years both in off and onshore Oil and Gas facilities including the start-up of the OSO gas complex. His next assignment was in Qatar Operations on the RasGas LNG Co LTD Train 1 & 2 project involving participation in detailed design, installation, commissioning, start-up and operations of the facility to steady state. In mid 2001 John commenced a four year assignment to ExxonMobil Production Company HQ in Houston leading the M&R/Operability group within Global Operations until late 2004.

Neil Wragg

Senior Consultant, GL

Neil is a chemical engineer who has worked in the oil & gas industry for over 13 years. He started his career in 1995 with Brown and Root, working as a process engineer on major design and construction projects, both offshore and onshore. He then moved to take up senior and lead process engineer roles for a number of major engineering design contractors including Kvaerner, AMEC and KBR, working on design selections, conceptual studies, front-end and detailed design projects.

In 2005, he moved to Germanischer Lloyd to join their Asset Management team, managing projects aimed at improving the performance of new and existing hydrocarbon assets. Neil maintains a senior technical role in GL's Oil & Gas Division as a Senior Consultant in their Asset Optimisation

consultancy, responsible for supporting clients and providing solutions in the areas of availability and reliability.

Richard Kingcott
Partner, Sustain

The Profile will be provided separately.

David Jones
President & Chief Technical Officer, Globe Energy Eco-System

David has been at the forefront of Technology Development as a Research Engineer and a Business Entrepreneur for the last 32 years. He has developed some of the most innovative gas and heat transfer systems and mechanisms involving the development of new Rules of Physics, producing highest efficiency energy technologies and innovative industrial products. These inventions resulting in many new arts and world-wide patents all aimed at increasing industrial competitiveness while reducing environmental pollution, using high efficiency gas.

He developed innovative gas distribution technology for large scale projects involving thousands of individual gas burners, designs and oversees new projects involving 100's of miles of new gas services each year and has worked all over the world in many countries with a wide variety of safety and installation regulations. For the last 4 years David has been working in USA, developing gas fired energy efficiency technologies fitting market needs. Producing a 94.5% energy-saving gas fired project recently, for a branch of the U.S. Federal Government, was one of his many career achievements.

His specialist skill is pinpointing under-developed areas of energy technology and where there is a real need, producing new high efficiency gas based systems and saving energy from Siberia to the U.S.

Harley Piddington
Utilities IT and Innovation Director, Enterprise

Harley joined Enterprise in May 2008 and is currently the Utilities IT and Innovation Director. Harley is responsible for ensuring that IT and Innovation supports and enables the current and future needs of the Utilities Division. Since joining Enterprise, Harley and his team have delivered a new mobile solution to support operation teams, an internet based payment and invoice system, systems to support new contract mobilisations and an end-to-end programme management solution. Harley plays an active role in supporting the business development team and has been closely involved in a number of large successful bids.

Prior to joining Enterprise, Harley worked for Vertex, at that time a subsidiary of United Utilities (UU) as an Account Development Manager. He was responsible for managing the relationship with parts of the UU Group as well as other Utilities customers in Gas and Telecoms sectors. Previous roles included the Head of IS for the Customer Business within UU, Programme Manager within UU for a Billing system replacement and management consultant with PA Consulting Group.

Tom Bell
SOMSA Project Director, Northern Gas Networks

Tom is currently heading one of the major strategic programmes on behalf of Northern Gas Networks: the establishment of Control Room Capabilities, which will allow the termination of one of the legacy agreements put in place between National Grid and Northern Gas Networks at the point of sale in June 2005. The programme was established in December 2005, and will be completed in 2010.

He has more than 28 years experience in the gas industry, working first at North Eastern Gas as an Engineering Trainee before moving into a range of roles, mostly associated with distribution activities. In 2003 he took responsibility as Programme Manager for supporting the sale on behalf of National Grid Transco, of the North Eastern Network and since then has supported a range of complex programmes. In 2005, he chose to take up a role within Northern Gas Networks as Commercial Manager. After two years his role changed to supporting the SOMSA exit Programme.

Mr Bell is an IGEM Member and was educated at Leeds College of Building and later at North Trafford College of Further Education studying Gas Utilization, Distribution, Transportation and Storage, and more recently he has qualified as a Prince2 practitioner.

***Andrew Hopkins, Director of Operations,
Wales & West Utilities***

Andrew Hopkins is Director of Operations for Wales & West Utilities Ltd. An experienced gas engineer, Andrew began his career with an engineering apprenticeship before spending some eight years working as a Craftsman for British Gas. During his career with British Gas and its successors he held a number of managerial positions within varying engineering disciplines and had managerial accountabilities in Wales, the West Midlands and the North West of England.

Andrew was appointed as Head of Operations of the Wales and the South West Network within National Grid Distribution in 2003. The Network was purchased from National Grid by a consortium of investors led by Macquarie Bank of Australia during 2005 and subsequently became Wales & West Utilities Ltd. Andrew was appointed as Director of Operations in 2007 and has responsibility for the delivery of all Network Operations, undertaken by a workforce of over 1,300 directly employed and contract staff. Andrew is a Chartered Engineer, with an honours degree in Mechanical Engineering. He is a member of the Institution of Gas Engineers and Managers (IGEM) and a former chairman of the Wales Section of IGEM.

***Rob Long
Alliance General Manager***

With more than 20 years experience in the gas industry, Rob Long began his career as a pipeline engineer. He joined AMEC in 1999 as a project manager with water and gas and in 2004 was promoted to regional manager, looking after an area which included the Wales and West network and Scotland.

In April, 2008, gas distribution company Wales & West Utilities made the strategic decision to set up a delivery vehicle for its mains replacement programme, working with AMEC and Morrison Utility Services. Rob was appointed General Manager for this unique Alliance. Within a month he had established his management team and set up the delivery organisation, consisting of the integration of 650 employees from 3 separate organisations. In its first year, Rob established the Alliance as a leading performer against industry recognised safety, financial and regulatory standards of performance.

***Stephen Courtney
Major Projects & Construction Manager, Scotia Gas Networks***

Stephen joined Southern Gas Region of British Gas in 1978 as an Engineering Assistant after graduating in Mechanical Engineering from the University of Bath. After training and working in several roles in Distribution he moved to Engineering Services followed by managerial roles in Operations and Planning. In 2000 he was appointed the Network Planning Manager for Southern Network of Transco and subsequently appointed as Major Projects and Construction Manager for

Southern and South East Networks. Following the formation of Scotia Gas Networks Stephen continued in the same role but with additional responsibility for the Scotland Network.

Phil Clarke

Head of Investment, Gas Distribution Operations, National Grid

Phil is currently responsible for running the capitals gas emergency service, focusing on safe guarding life and property and responding to over 140,000 gas escapes within the London Area. Additionally he covers the provision of metering services, replacement of complex gas mains, maintaining the gas distribution above ground assets and connecting new customers.

He joined National Grid in June 82 and has held the following posts during his career with that organisation: Head of Network (East of England asset management responsibility), Area Manager (DBM Maintenance operations - management of Transmission, Distribution, Terminals, and Compressors) and Operations Manager - East Anglia. He was a Student Engineer with GKN.