It is a world leader, accounting for a third of the overall global market-share.

Manufacturing accounts for around 30% of the sector.

Sustainable opportunities in oil and gas, marine renewables, defence and oceanology.

relationships, and our wide variety of events – hosted all over the world – offer great networking opportunities.

We are a privately funded trade body; a company created by the industry to act for the industry. Our focus has always been on building

Subsea UK is the champion for the UK subsea industry bringing together operators, contractors, suppliers and people in the industry. Subsea UK

London.

of which are the yearly Branch Dinners and the Annual Dinner in

in a broad range of social activities, some of the most well-known

As well as its technical functions, the Guild members participate

The Guild is the respected authority within all branches of the pipeline industry, and there are few pipeline engineering problems

The Pipeline Industries Guild has evolved to be the only association world-wide to cater directly

The Pipeline Industries Guild was formed in 1957. Since then, it has

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From the point of view of pipeline engineering in all its aspects, the Pipeline Industries Guild is the place where the disciplines meet, and where leading-edge technology is discussed, analysed and disseminated.

As well as its technical functions, the Guild members participate in a broad range of social activities, some of the most well-known of which are the yearly Branch Dinners and the Annual Dinner in London.

The Pipeline Industries Guild

The Pipeline Industries Guild was formed in 1957. Since then, it has evolved to be the only association world-wide to cater directly for the needs of the pipeline industry, regardless of engineering discipline, application, or qualification. The Guild’s membership comprises those with interests in pipelines worldwide, transporting hydrocarbon products, chemicals, water, wastewater, and many other substances, both on and offshore. All are governed by the industry’s twin need to combine quality with safety, while at the same time meeting all the latest environmental and legislative requirements. The Guild is the respected authority within all branches of the pipeline industry, and there are few pipeline engineering problems its members cannot solve. Part of its increasing and unique strength is the Guild’s ability to attract members from all sides of the pipeline industry, whether they be concerned with deep-sea pipelines or with the latest developments on land in no-dig and minimal-disturbance pipe and duct-laying technology. The Pipeline Industries Guild, has a clear vision of its future, in which it will broaden its pipeline-engineering interests and continue to cater for the ever-widening horizons of its expanding membership.

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Dr Bob Allwood
Chief Executive, SUT
Chaired Session 1

Dr Bob Allwood graduated from the University of Reading, UK, with a 1st class honours degree in physics and obtained his PhD from Heriot-Watt University, Edinburgh. After working in the field of physics research for some five years at Heriot-Watt University and in industry, he then turned his attention to the problems of working in the underwater environment. Over the coming years he was to work the University’s Department of Electrical and Electronic Engineering on ROV development and then as Manager of Engineering in the University’s Institute of Offshore Engineering. He moved to Cranfield University in 1986 as Senior Lecturer in Underwater Technology and undertook research aimed at the improvement of underwater vision. Whilst there, he also developed and presented Masters programmes for the underwater and subsea sectors. As an academic he worked closely with the Society for Underwater Technology, serving on a number of their technical committees and also their Council. He was elected a Fellow of the Society in 1994.

Bob was appointed Chief Executive of the Society for Underwater Technology in December 2009.

Dr Christopher Bridge
Domain Champion – Subsea Risers and Flowlines, Schlumberger

10:00 - 10:30 Complete Pipeline and Umbilical Monitoring for Integrity Management using Fibre Optics

Dr Christopher Bridge attended the University of Surrey, achieving a Masters of Engineering in Civil Engineering. Graduated in 1999, and joined 2H Offshore Engineering in Woking, UK. 2H sponsored a part-time PhD where Dr Bridge investigated Pipe/Soil interaction of Steel Catenary Risers and completed this in 2005. In July 2007 Christopher joined Schlumberger in Singapore to develop a Light Well Intervention system to enable wireline and coiled tubing operations from small ship-shaped vessels.

Dr Bridge was tasked with developing the technology to ensure that the curved pipe-in-pipe riser system was fit-for-purpose, examining structural properties, fatigue, tribology, and corrosion of the coiled tubing. In 2010 Dr Bridge moved to Houston to work with Schlumberger looking for ways to use structural and Integrity monitoring systems to improve efficiency of subsea risers, pipelines and umbilicals and ultimately improve production efficiency.

Daniel Clarke
R&D Manager, Teledyne Oil & Gas

10:30 - 11:00 Monitoring Circumferential Metal Loss Rates in Subsea Pipelines

Dan Clarke graduated from Cambridge University in 2000 with a 1st Class Honours Degree in Engineering. He spent 4 years in the automotive industry with Ricardo Consulting Engineers working on powertrain research projects. Following this he worked for Applied Materials as a Senior Engineer on the development of Semiconductor Water Processing Technologies.

In 2008 Dan joined Cormon (now Teledyne Cormon) where he is the R&D Technical Manager responsible for Flow Assurance and Integrity New Product Development Programmes.

Geir Inustanes
Vice President, Clampon AS

11:00 - 11:30 Non Invasive Corrosion-Erosion Monitoring for Subsea Applications

Geir Inustanes is the vice president of Clampon AS. He finished his education as an instrumentation engineer in 1988 and has been working with development of ultrasonic sensors in the oil and gas industry for almost 20 years.

Mr. Inustanes is one of the entrepreneurs and owners of Clampon. The company was established in 1994 and has grown to be the world’s largest supplier of ultrasonic intelligent sensors.

Mr. Inustanes also holds the position of R&D Manager in Clampon and strives to continue the development of Clampon’s instruments to always be in the forefront with new and improved technologies.

Dr. Konrad Reber
Director of Research & Development, Innospection Germany GmbH

12:00 - 12:30 Advanced Electromagnetic Technology & Tools for Subsea Pipeline Inspection

Dr. Konrad Reber studied physics at the University of Mainz with a focus on Solid State Physics. In a Ph.D. thesis at the University of Erlangen, he worked in the field of magnetic materials, in particular the measurement of material parameters using magnetic stray flux methods.

At Pipetronix he was responsible for the development of data analysis algorithms for the application to MFL-pipeline inspections. This included methods of artificial intelligence for analysis automation. Later he became responsible for the magnetic design of MFL-inspection pigs.

After changing to NDT Systems & Services he continued to work in the field of in-line inspection and broadened his focus to include topics of defect assessment and general comparison methods of different inspection tools.

Between 2006 and 2008 he was with TÜV Rheinland as an expert within the Pipeline Technology Group. He was responsible for international projects on pipeline integrity and pipeline certification.

Since 2008, he is the Director of Research and Development for the Innospection Group. The department is responsible for designing new inspection equipment for the oil and gas industry.

He speaks regularly at conferences and is a trainer in various courses on pipeline inspection.

Brian Taylor
Account Manager, PULSE Structural Monitoring Limited

12:30 - 13:00 Rapid Deployment System for Monitoring Slugging Response in Subsea Pipeline Spans

Brian Taylor joined PULSE at the beginning of 2012 and has responsibility for the business in the EMEA and APAC (Asia-Pacific) regions. Although a relative newcomer to the subsea environment, Brian has 20+ years supply instrumentation and control solutions to the process industries.
**2012 Subsea Pipeline Integrity Management**

**Speakers’ Biographies - Session 2**

*Chairing Session 2*

Dr Gordon Drummond

Integrity Manager, Subsea 7

Chairing Session 2

Gordon has a first class degree in Mechanical Engineering and his PhD focussed on the “Condition Monitoring strategies and techniques for Static plant” which was published in 2004. He has also widened his skills with a business degree, an MBA which was conducted part-time and completed in 2009. Gordon has been involved in integrity management since 1998. Since 2004 Gordon has performed a number of roles for Subsea 7 most recently leading Subsea 7’s Integrity Management function which is a subset of its Life of Field offering.

**Dr Patrick O’Brien**

Group Director Strategic Business & Marketing, Wood Group Integrity Management

13:45 - 14:15

Update on the SURF IM Joint Industry Project - Progressing Subsea Integrity Management with the Support of 12 International Operators

Dr O’Brien is Group Director of Strategic Business & Marketing at Wood Group Kenny. He is a chartered engineer with close to thirty years industry experience. His technical areas of expertise include riser mechanics, riser design and flexible pipe technology. He is executive director at riser specialist company MCS Kenny, now a business within Wood Group Kenny. Dr O’Brien plays an active role in a number of industry bodies, including Subsea UK, and regularly presents technical papers at industry conferences around the world. He is an honorary professor of engineering at the University of Aberdeen.

**Dr Geoff Lyons**

Principal Director, BPP-TECH

14:15 - 14:45

Inspection of Flexible Risers - What the Future Holds

Dr Geoff Lyons is a director of BPP-TECH with over 30 years experience in the subsea sector. His interests range from the fundamentals of hydroelasticity and fatigue, for all types of risers and the like, to development and implementation of practicable novel sensing and inspection technologies.

Geoff is a Fellow of the IMechE and RINA.

**Dr Patricia Conder**

Senior Consultant, Sonomatic Ltd

14:45 - 15:15

Benefits of Statistical Analysis of Intelligent Pigging Data

Patricia Conder has a degree in Physics and a PhD in Materials Science. She worked in the electronics and chemical industries before transferring to the oil and gas sector to work for Sonomatic Ltd as a senior consultant specialising in statistical analysis of inspection data. This covers data analysis and integrity assessment based on the results of pipeline intelligent pigging and external ultrasonic inspections on pressurised equipment.

**Adrian Garrow**

Europe Sales Manager, Omnisens S.A

15:15 - 15:45

Field Experience in Subsea Asset Condition Monitoring Using Fiber Optic Sensing

Adrian Garrow BA, has over 20 years international experience in the Oil & Gas sector. He started his career as a sales engineer for a multinational service company and has worked throughout Europe, Africa, the Middle-East and Asia. He has provided design & application engineering expertise in the upstream production and operation sector and his focus has been on sales and business development. Adrian joined Omnisens S.A (a leader in the design and implementation of Brillouin based fiber optic Distributed Monitoring solutions for Temperature and Strain over long distances) in 2011, to develop their business in the Oil & Gas pipeline, subsea and energy markets.

**Dr Cameron Stewart**

Upstream Technical Manager, Energy Institute

16:15 - 16:45

Integrity of Subsea Facilities: EI Guidance

Dr Stewart is chartered as both Engineer and Physicist with over 20 years experience in the Energy Industry. Dr Stewart was Director for the Masters Programmes in Oil and Gas Engineering at the Robert Gordon University in Aberdeen.

Then as Head of Technology and Innovation at DTI (DECC), he specifically addressed Technology issues for the Oil and Gas Industry and Renewables implementation for the UK. Dr Stewart also spent time addressing Industry Environmental issues.

In Industry, Dr Stewart was UK Regional Manager with a small, innovative, Oil and Gas Technology company - directly responsible for bringing next generation technology and innovative practice to market.

Having run collaborative programmes, JIPs & New Technology Assessments as well as implementing innovative learning and best practice, Dr Stewart now puts his unique skills set to good use as Special Advisor to Energy Stakeholders through T-eal (www.t-eal.com).

And it is exactly this skills mix that Dr Stewart puts to daily use in his role as Upstream Technology Manager with the Energy Institute, addressing key industry issues and working towards capturing learning and providing cross industry best practice.

**Rob Swindell**

Principle Consultant, Kodos Consulting

16:15 - 16:45

Integrity of Subsea Facilities: EI Guidance

Rob graduated with a BSc in Naval Architecture from the University of Southampton in 1981, and also holds an MSc in Sound and Vibration from Southampton University.

He is a member of the Royal Institution of Naval Architects, a Fellow of the Institution of Mechanical Engineers and a Chartered Engineer.

Rob presently holds the post of Principal Consultant within Kodos. Over the last 20 years he has been involved with a wide variety of structural integrity projects in the oil and gas industry both onshore and offshore, and he is co-author of the Energy Institute Guidelines for the avoidance of vibration induced fatigue in process piping systems.

Rob is currently working on a number of subsea projects in the Gulf of Mexico, the North Sea, Angola and North West Australia.
Upcoming Events:

Organised by
Pipeline Industries Guild

7 December
Wales & West Branch Young Professional Training Day
Thistle Hotel, Bristol
10:00 – 16:00

7 December
Wales & West Branch 42nd Annual Dinner
Thistle Hotel, Bristol
18:00 – late

12 December
Mapping The Underworld
- Final Dissemination Seminar
- MTU’s Place in the World
Engineering and Physical Sciences Council
09:30 – 16:00

25 January
Eastern Branch 6th Annual Dinner
Marriott Hotel, Peterborough
19:00 – late

28 January
Deadline for Awards Submissions for the Pipeline Industry Technology Awards

12 March
56th Annual Pipeline Industries Guild Dinner & Awards
Grosvenor House Hotel, London
18:30 – late

Organised by
The Society for Underwater Technology

16 January
2013 Market Outlook/Global Opportunities
Breakfast Seminar, Aberdeen, UK

16 – 18 January
Setting the Course for UK Operational Oceanography
SUT supported course, Southampton, UK

17 January
Evening Meeting
London, UK

23 January
Intelligent Pigging & Corrosion Management
Evening Meeting, Newcastle, UK

12 February
Introduction to Subsea Positioning
Aberdeen, UK

Organised by
Subsea UK

13 December 2012
Subsea UK AGM and Christmas Networking Dinner
Aberdeen

6 – 7 February 2013
Subsea 2013, Exhibition, Conference and Business Awards Dinner
AECC, Aberdeen

20-22 February 2013
Australasian Oil and Gas 2013
Perth, Australia

5-7 March 2013
Subsea Tieback Forum 2013
San Antonio, USA

11 March 2013
UK Oil and Gas in Brazil 2013
Rio de Janeiro

3 July 2013
Subsea UK’s Parliamentary Reception and Dinner
London

4 September 2013
Subsea UK’s Offshore Europe Dinner
Aberdeen