

# Oilfield Engineering with Polymers 2008

6th MERL International business and technology conference  
on high performance applications of polymers in the energy industry



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7 - 8 October 2008,  
Cavendish Conference Centre,  
London, UK

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# Oilfield Engineering with Polymers 2008

7-8 October 2008, Cavendish Conference Centre, London, United Kingdom

The Materials Engineering Research Laboratory (MERL) and AML are pleased to announce the 6th MERL international conference on **Oilfield Engineering with Polymers**, which will take place over 2 days from 7-8 October 2008 at the Cavendish Conference Centre in central London, England.

**Oilfield Engineering with Polymers 2008** provides an international forum for oilfield operators and their suppliers to meet and discuss the latest developments in application requirements and materials R&D.

Elastomers, thermoplastics, thermosets and composite materials play a vital role in many critical applications such as coatings, insulation, pipes, hoses, seals, flexible joints and bearings, inflatable tools, umbilicals, risers, blow out preventers etc. The industry challenge is to operate safely and reliably under a wide range of operational and environmental conditions.

The oil industry is operating in increasingly remote and hostile environments. Industry trends include an increasing number of sub-sea completions for deep and ultra deep water, increasing temperatures and pressures downhole, a growing market for liquid natural gas (LNG), new drilling fluids, reinjection of sour gas, etc. These developments place greater demands on materials and components, and a greater need for understanding material behaviour and limits.

Oilfield Engineering with Polymers 2008 provides a unique opportunity to network with oilfield operators, contractors, suppliers and materials experts.

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## CONFERENCE HOTLINE

JENNY SKINNER, CONFERENCE ORGANISER  
on +44 (0)117 924 9442  
or fax on +44 (0)117 311 1534  
e-mail: [js@amiplastics.com](mailto:js@amiplastics.com)  
for further information about this event

See the latest programme and confirmed speakers at:  
[www.amiplastics.com](http://www.amiplastics.com)

## C O N F E R E N C E

Tuesday 7th October 2008

08.00 Registration and welcome coffee  
09.00 Opening announcements

### SESSION 1 - PERFORMANCE MATTERS

- 09.10 **Leading O&G contractor perspective on performance risks for deepwater polymeric/elastomeric applications and future vision**  
*Mr. Garry Mahoney, Riser Technology Manager, SAIPEM SA - SAIBOS DIVISION, France*
- 09.40 **Failure investigation of a glass syntactic polyurethane insulation**  
*Mr. Kai Hostrup, Senior Materials Engineer, EXXONMOBIL DEVELOPMENT CO., United States*
- 10.10 **Characterisation of long term behaviour of polyester fibres and fibre assemblies for offshore mooring lines**  
*Dr. Céline Lechat, Materials Specialist, ERA TECHNOLOGY Ltd., United Kingdom*

10.40 - 11.10 Morning coffee sponsored by:



### SESSION 2 - ELASTOMER ENGINEERING

- 11.10 **An update on rubber based fire protection for extreme offshore applications**  
*Mr. Ole Bjørn Rasmussen, Business Development Manager, TRELLEBORG VIKING AS, Norway*
- 11.40 **Effect of salt type, concentration and temperature on water swelling packer compound**  
*Mr. Jim Goodson, Manager, Polymer and Simulation Technology, BAKER OIL TOOLS, United States*
- 12.10 **Use of high performance elastomers in cables for offshore platforms in arctic regions**  
*Mr. Manuel La Rosa, Sales & Technical Marketing, LANXESS DEUTSCHLAND GmbH, Germany*
- 12.40-14.10 Lunch
- 14.10 **Design method enhancements for laminated elastomeric bearings**  
*Mr. Todd Pottorff, Manager, Materials & Process, OIL STATES INDUSTRIES, United States*
- 14.40 **Preformed bonded high pressure hose**  
*Dr. Tibor Nagy, Senior Partner, Z&N TECHNICAL DEVELOPMENT Ltd., Hungary*
- 15.10 **Innovative internal coating solutions for downhole production tubes**  
*Mr. Bilal Ghalaini, Market Development & Technical Leader, Middle East, DUPONT PRODUCTS S.A., United Arab Emirates*

15.40 - 16.10 Afternoon tea sponsored by:



### SESSION 3 - PIPE PERFORMANCE

- 16.10 **Novel reactive fluoropolymers and their use with polyamides in multi-layer tubing for the oil & gas industry**  
*Mr. Pierre Kuyt, Market Development Mgr., DAIKIN AMERICA, Inc., United States & Mr. Andreas Dowe, Market Development Manager, EVONIK DEGUSSA GmbH, Germany*
- 16.40 **Case study: use of thermoplastic barrier layer for high H<sub>2</sub>S gas well gathering line**  
*Mr. Tom Baus, Market Development Manager, TICONA, United States*
- 17.10 **Ageing performance and chemical compatibility of PA 12**  
*Dr. Stefan Buchner, MD, POLYMER CONSULT BUCHNER GmbH, Germany*
- 17.40 **Cocktail Reception**

Wednesday 8th October 2008

08.00 Registration and welcome coffee  
08.50 Opening announcements

## SESSION 4 - COMPOSITE PIPE

- 09.00 **Stress corrosion of high strength composite tapes**  
*Dr. Neville Dodds, Research and Development Group Lead, WELLSTREAM INTERNATIONAL Ltd., United Kingdom*
- 09.30 **Properties, testing and qualification of reinforced thermoplastic pipe (RTP) for onshore and offshore oilfield applications**  
*Dr. Bert Dalmolen, Technical Manager, PIPELIFE NEDERLAND B.V., The Netherlands*
- 10.00 **Integration of electronics in thermoplastic composites**  
*Mr. Brett Kimball, Mechanical Engineer, AUTOMATED DYNAMICS, United States*

10.30-11.00 Morning coffee sponsored by:



## SESSION 5 - SEALING PERFORMANCE

- 11.00 **Elastomeric fluorocarbon o-ring failure**  
*Mr. Abdullah K Al-Dossary, Materials Eng'g Unit/CSD, SAUDI ARAMCO, Saudi Arabia*
- 11.30 **Performance testing of seals for oilfield service**  
*Mr. Buc Slay, Principal Scientist, HALLIBURTON, United States*
- 12.00 **Effects of low temperature on seal contact stress**  
*Mr. Daniel L. Hertz III, VP of Sales & Market Development, SEALS EASTERN Inc., United States*
- 12.30 **New low temperature fluoroelastomers with novel monomer compositions characterized for oilfield service**  
*Mr. Pete Farrow, Sales Manager, SOLVAY SOLEXIS S.p.A., Italy*

13.00 - 14.10 Lunch sponsored by:



- 14.10 **Improvements to materials qualification testing - updating NORSOKM710**  
*Mr. Glyn Morgan, Senior Scientist, MERL, United Kingdom*
- 14.40 **Best available techniques for sealing solutions meeting low fugitive emissions standards**  
*Mr. Geert Danau, Engineering Manager, SAINT-GOBAIN PERFORMANCE PLASTICS N.V., Belgium*
- 15.10 **Upgrade of design basis for composite material free-fall life boats**  
*Dr. Bjørn Melve, Polymer Specialist, STATOILHYDRO ASA, Norway*

15.40-16.10 Afternoon tea sponsored by:

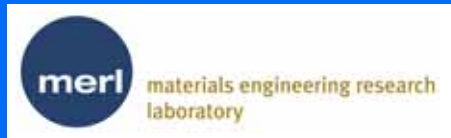


## SESSION 6 - MATERIALS AND BONDING

- 16.10 **Bonding inert substrates to fluoroelastomer and perfluoroelastomers during vulcanization for down-hole environments**  
*Dr. Paul McElfresh, Manager Applied Research, BAKER OIL TOOLS, United States*
- 16.40 **New ultra high ACN HNBR elastomers with improved process ability for enhanced performance of rubber parts in severe oil and fuel conditions**  
*Dr. Matthias Soddemann, Head Centre of Excellence Therban, LANXESS DEUTSCHLAND GmbH, Germany*
- 17.10 **Future applications of PEEK in the oil and gas industry**  
*Dr. Geoff Small, Global Applications Technology Specialist, VICTREX plc, United Kingdom*

17.40 Conference ends  
AMI reserves the right to alter the programme without notice

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## EARLY BIRD REGISTRATION OFFER

Register before 5th September 2008 and pay €890\*/£620\* saving €100\*/£70\* on the full price of €990\*/£690\*. There are additional discounts for group bookings. The registration fee includes attendance at all conference sessions, the Cocktail Reception, lunch and refreshment breaks on both days, and a set of Conference Proceedings.

## SPONSOR THIS EVENT

A variety of sponsorship opportunities are available at this conference to help to promote and enhance your company's products and services to this highly targeted international audience. Contact the conference hotline for further information.

## OILFIELD ENGINEERING WITH POLYMERS 2008: EXHIBITION SPACE

Make it easy for the delegates to find you at this busy event with your own table top exhibition space. Bring your own display stand, or just use the space to have literature and samples available and ensure that you make an impact. The table top exhibition will run throughout the conference in the Whittington Suite, which is situated next to the Auditorium. This is also where all the breaks and lunches will take place; meaning maximum exposure.

## HOTEL ACCOMMODATION

Delegates are responsible for booking their own accommodation. AMI has negotiated discounted rooms at a number of hotels in the area. For further information, please contact Jenny Skinner on: +44 (0)117 924 9442.

## CONFERENCE VENUE

London is a city famous for many attractions including shopping, history, architectural beauty, and also for areas such as the West End and Covent Garden. The event will take place at the Cavendish Conference Centre, which is ideally situated just off Oxford Street and has state of the art facilities. It is centrally located and easily accessible in short walking distance from Victoria and Euston train stations, and surrounded by metro stops. [www.visitlondon.com](http://www.visitlondon.com)

## 5 GOOD REASONS WHY YOU SHOULD ATTEND:

1. **Assess the latest material developments for oilfield applications**
2. **Meet top industry specialists**
3. **Debate current trends in the oilfield industry and the demands for material performance**
4. **Listen to experts in oilfield engineering talking about the issues**
5. **Network with other professionals**

\* + 17.5 % VAT

