

***Technical Forum/ Seminar***

*(Open to all)*

**Alternatives to In-service Pressure Testing of  
Components in Ageing Power & Process Plant**

***Provisional PROGRAMME***

**Venue:** Bureau de Normalisation (NBN), Rue Joseph II 40, 1000 Bruxelles  
[www.nbn.be](http://www.nbn.be)

**Date:** Wednesday 27 January 2016

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***Followed by:***

***General Assembly Meeting***

*(Open to: EPERC Members & Non-Members)*

**Date:** Thursday 28 January 2016 (same venue as for the Seminar)

*The General Assembly Meeting will be preceded by two Technical Talks on Pressure Vessel Research in Europe (0900 to 1100 hrs) with the General Assembly from 1100 - 1500h.*

*For the details of the two Technical Talks and GA Agenda please visit EPERC website: [www.eperc-aisbl.eu](http://www.eperc-aisbl.eu)*

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*Please write to the Secretariat at ETD Consulting:*

*[enquiries@etd-consulting.com](mailto:enquiries@etd-consulting.com) - both for the GA programme and information on how to join EPERC and its current and planned activities.*

## **BACKGROUND**

In-service hydrostatic pressure testing is a procedure which is used to verify the integrity of a fluid-containing pressure vessel or tank, such as boiler pressure parts including tubes, by subjecting them to pressures above their service conditions. In some industry sectors and jurisdictions the test is considered important in the interests of safety and durability under operating pressure, and is often used to detect leaks within low pressure systems and devices. However, some parties consider that pressure tests at room temperature are not so relevant, and as a result, many national statutory bodies do not require such tests provided that alternative means can provide the necessary confidence in the pressure vessel integrity.

The European standards for power plant boilers and un-fired pressure vessels (EN 12952 and EN13445) specify pressure testing the requirements for new constructions only: there are no Euro Norms covering the testing of pressure vessels and systems in-service. Requirements are governed by national regulations, (such as the Pressure Systems Safety Regulations in the UK), and the need for pressure testing varies from one European country to another. While some European countries (in particular those with well-developed national codes and regulations) waive pressure testing altogether for in-service equipment in favour of schemes of examination, other countries retain a mandatory pressure test at a cost to their industry, but may allow a lower pressure of between 1 to 1.3 times the maximum allowable pressure.

A greater case for pressure testing may be made when pressure equipment has been modified or repaired in-service. Even here the pressure testing requirement may be able to be waived and instead NDT or alternatives may be used to verify integrity. These alternatives include, for example, the use of acoustic emission for leak detection. NDT systems able to detect corrosion-under-insulation and pipe supports are also gaining industrial attention.

## **EPERC-AISBL FORUM AIMS AND OBJECTIVES**

The Forum is aimed at bringing together European industry practices, identifying gaps and discussing areas of new and potential research with the view of forming a Technical Task Force for drafting a pan-European Guidance Document. It will cover the reasons for and uses of in-service pressure testing, when it is not advised and the alternatives available.

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## SEMINAR PROGRAMME

REGISTRATION & WELCOME = 1000 to 1030h

**Welcome & Introduction to Seminar**

*Ahmed Shibli, EPERC Secretariat, UK*

1030-1035h

**Introduction to Revised EPERC & Its New Task Groups/ Activities**

*Guy Baylac, EPERC Acting Chairman, France*

1035-1045h

**Acoustic Emission testing for periodic inspection of pressure equipment in Austria and preview of future applications**

*Gert Schauritsch, Gerald Lackner, TÜV AUSTRIA SERVICES GmbH, Austria*

1045-1115h

**Pneumatic testing as an alternative to hydro testing**

*Roger Bours, Matt Bailey, Fike Europe, Belgium*

1115-1145h

**Alternatives to European hydro pressure testing of ageing pressure vessels**

*Ahmed Shibli, European Technology Development, Leatherhead, Surrey, UK*

1145-1215h

**LUNCH**

**1215 – 1315h**

**SSE experience and practices in alternatives to hydro testing**

*Richard Walton, SSE (ex-Southern and Scottish Electricity), UK*

1315-1345h

**Periodical inspection of pressure equipment and advanced non-destructive testing**

*Andrea Tonti, INAIL, Rome, Italy*

1345-1415h

**Title to come**

*Claude Faidy, Consultant (Ex-EDF), France*

1415-1445h

**Paper to come**

1445-1515h

**Panel Discussion: 1515-1530h**

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**Networking and drinks for those staying for the GA meeting on day-2**

1800h

# REGISTRATION FORM (Please copy and e-mail / fax / post)

## EPERC SEMINAR – January 2016

**REGISTRATION FEE:** Please put 'X' in the box opposite the fee applicable and then show total fee. The fee below is shown in **pound sterling**.

*This fee includes the Seminar lunch, coffee etc. during break and Seminar Proceedings in electronic format.*

**All those attending an event held in the UK need to pay VAT at 20%.**

	Reduced Fee* (if paying by 5 Jan. 16)	Full Fee* (if paying from 6 Jan. 16 onwards)
Delegates	£150 + VAT = £180	£200 + VAT = £240
Presenters	£100 + VAT = £120	£150 + VAT = £180
<b>Please state here the fee that you are paying = £</b>		

\* 30% Reduction for EPERC members

<p><b>PAYMENT:</b> By UK bank cheque, bankers draft, or bank to bank transfer to 'ETD Ltd.' (For payment by bank to bank transfer, account details will be supplied on request to: Mrs. K Mahoney <a href="mailto:kmahoney@etd-consulting.com">kmahoney@etd-consulting.com</a>). Please quote reference '<b>EPERC SEMINAR-Jan 2016</b>' with the payment and state here how you paid/ intend to pay:</p> <p>.....</p> <p>.....</p> <p>.....</p>			
<p><b>By Credit Card:</b> Major cards such as Visa/ MasterCard/ JCB/ American Express/ Switch are accepted with the exception of Dinners Club. For security please <i>fax or post</i> this information.</p>			
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**Delegate Details:** (Required for your badge)

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<b>Company name &amp; address:</b>	
<b>Phone:</b>	<b>Fax:</b>
<b>E-mail:</b>	

**REGISTRATION ADDRESS & Information re Hotel Accommodation in London**

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