

Content of the conference

The European **Directive 97/23/EC** (the so called **PED, Pressure Equipment Directive**) has established a new philosophy in the Design, Fabrication and Certification of all pressure components.

This philosophy, based on the so called “**New Approach**”, specifies the **Essential Safety Requirements** which all Unfired Pressure Vessels, as well as all other pressure components, safety devices and assemblies, must fulfil in **any reasonably foreseeable condition** (normal service, exceptional service, testing, installation, transport and maintenance); therefore the Manufacturer is now obliged to take into account loading conditions to which, in the past, a lower degree of attention was generally given.

As a consequence, in respect of the past **the PED requires today a greater amount of work at the design stage**, particularly for high hazard equipment; it gives to the Manufacturer a greater responsibility; but it has also caused a **substantial deregulation of the market**, because the Manufacturer (or his Customer) is now able to use (or to specify) any detailed Pressure Vessel Standard which he deems suitable to satisfy the Essential Safety Requirements of the PED; and **all the existing national Pressure Vessel Standard are more or less in agreement with these requirements**, or have been brought in compliance with them after the coming into force of the PED.

The use of the new “**harmonized**” **EN standards** gives the advantage of the so called “**presumption of conformity**” with the requirements of the PED.

Scope of this conference is to show that **EN13445 Part 3**, the new harmonized CEN standard for the design of Unfired Pressure Vessels, **allows substantial economies in Pressure Vessel construction when compared with the existing national standards, without adversely affecting the safety level of the products**; this is due to the **innovative technical philosophy** on which this standard is based.

Purpose of the conference

- ❖ To explain the **overall philosophy** and organization of EN13445-3 (DBA with linear and non-linear analysis, use of alternative methods for Flanges and Tubesheets of Heat Exchangers, use of limit analysis for non-pressure loads).
- ❖ To **compare it with other main standards**, in order to show its advantages and disadvantages.
- ❖ Presentation of **specific design cases** of pressure vessel components by the use of specially developed software for EN13445-3, ASME VIII division 1 and 2, AD 2000.

Date

The conference is scheduled for **June 11th 2007**.

Venue

CEN-CENELEC Meeting Centre, rue de Stassart, 35, 1050 Brussels, (about 50 m walk from Porte de Namur), room « Schuman ».

Host

CEN-CENELEC Meeting Centre staff will be the host during the entire Conference.

Speakers

Dr. Fernando Lidonnici, director of Sant'Ambrogio Servizi Industriali, 35 years experience in Pressure Vessel Design and Analysis, Convenor of **WG'C' of CEN TC54** (the European group of experts that has developed Part 3 of EN 13445 and that is still carrying out its maintenance and updates).
Mr. Ludo (Piet) Verbesselt, 35 years experience in Pressure Vessel Design, still actively working as Belgian design and fabrication expert in **CEN TC54** and in its **WG'C'**, Convenor of **WG'G'** (Nodular Cast Iron Vessels) of CEN TC54.

Program

9.30: Registration of participants
10.00 - 13.00: Morning session
(presentation of EN 13445.3 and EN13445.6)
11.15 - 11.30: Coffee break
13.00 - 14.00: Lunch
14.00 - 16.30: Afternoon session
(comparison with other standards: typical examples)
16.30-17.00: Discussion and questions
17.00 – 18.00: Free practical software session

Bookings and information:

Conference organization:
SANT'AMBROGIO SERVIZI INDUSTRIALI SRL

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BOOKING FORM

First Name:

Family Name:

Position / Job:

Company / Organization:

Activity of the Company:

Address:

ZIP Code: City:

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E-mail:

Tel.: Fax:

Date Signature

*SANT'AMBROGIO SERVIZI INDUSTRIALI SRL and CEN
will keep all the above data strictly confidential*

*SANT'AMBROGIO reserves the right to annulate
the conference at any time giving back the money
to those who have already paid*

CONFERENCE FEE

**for the first participant of the same
organization**

☐ Licensee of
Sant'Ambrogio
software
Euro 200,00

☐ Other
Euro 450,00

**for each subsequent participant of the
same organization**

☐ Licensee of
Sant'Ambrogio
software
Euro 150,00

☐ Other
Euro 400,00

THE CONFERENCE FEE INCLUDES:

- ❖ Conference documents
- ❖ Coffee break and Lunch
- ❖ Certificate of Attendance
- ❖ Free fully working trial version of
Sant'Ambrogio EN 13445 software
which can be tested for 2 weeks

PAYMENT:

Through international bank transfer to:
Sant'Ambrogio Servizi Industriali s.r.l.
Banca Popolare di Bergamo – Agenzia Milano
Gioia – via M.Gioia 28 – I 20124 MILANO
IBAN: IT27 X054 2801 6090 0000 0000 742
BIC-SWIFT: BEP0IT21046
Reference: Brussels Conference June 11th 2007

BOOKING:

Please send the booking form and copy of the
bank transfer within **Friday June 1st** to:
Sant'Ambrogio Servizi Industriali s.r.l.
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Fax +39.02.2663546
e-mail: santambrogio@sant-ambrogio.it



Conference

**EN13445-3: THE NEW
EUROPEAN UNFIRED
PRESSURE VESSEL CODE:
Advantages in Comparison
with other Standards of Good
Practice**

*Brussels, CEN-CENELEC MC, room
"Schuman", June 11th 2007*

