

OCTOBER 21 – AFTERNOON – 14:00 to 18:00

SESSION IV – NUCLEAR PLANTS AND COMPONENTS –

PED is not intended for application to safety classified nuclear components, but can offer indication of the approach to be adopted. Limits of applicability of PED requirements to nuclear components safety and non-safety classified.

14:00 – 14:45:

ASME Boiler & Pressure Vessel Code - Introduction to Section III; Division 1. Rules for the Construction of Nuclear Facility Components – Part 1^ (Manfred Dilly, ASME)

14:45 – 15:30:

ASME Boiler & Pressure Vessel Code - Introduction to Section III; Division 1. Rules for the Construction of Nuclear Facility Components – Part 2^ (Manfred Dilly, ASME)

15:30 – 15:45: Break

15:45 – 16:30:

Design of Passive Residual Heat Removal (PRHR) for AP 1000 (Flavio Magris, Ansaldo Nucleare SpA)

16:30 – 17:15:

Overview on Generation-IV Innovative Reactors: new Requirements for Standards (Guglielmo Lomonaco, Università di Genova)

17:15 – 18:00:

Round Table on Session IV, chaired by **Sergio Orlandi** (Managing Director Ansaldo Nucleare SpA) and attended by all speakers. Prof. **Paola Girdinio** (Dean of Engineering, Università di Genova) and Prof. **Donato Aquaro** (Director Mechanical and Nuclear Dpt. Università di Pisa) will participate to this Round Table.

Scientific Committee

*Francesco Alicino, ASME Italy Section Chair
Muzio Gola, Professor Politecnico di Torino
Francesco Martelli, Professor Università di Firenze
David Morris, ASME UK & Ireland Section Vice-Chair & Secretary
Alfredo Squarzone, Professor Università di Genova
Laura Vergani, AIAS President, Professor Politecnico di Milano*

Organization Committee

*Francesco Alicino, ASME Italy Section Chair
Eugenio Brusa, ASME Italy Section Vice-Chair
Luca Gaetani, ASME Italy Section Secretary
Paolo Lista, ASME Italy Section Treasurer*

Conference web page

<http://events.asme.org/PEDConference2011/home.cfm>

Section web page

www.asme.it

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CONFERENCE ON PED REQUIREMENTS AND ASME CODE

Genova, 20-21 Ottobre 2011

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OCTOBER 20 – MORNING – 9:00 to 13:00

SESSION I - PED AND ASME SAFETY ESSENTIAL REQUIREMENTS

– Meeting PED Safety Essential Requirements when designing, fabricating, inspecting and erecting according to ASME Code (ref. STP/PT-002 ASME Section I PED Guide)

9:00 – 9:15:

Welcome and Opening (Francesco Alicino, ASME Italy Section)

9:15 – 9:45:

Quality Assurance in Technical Education and Standards (Muzio Gola, Politecnico di Torino)

9:45 – 10:30:

Using ASME Codes as a basis for meeting the PED – Part 1^A (Peter Hanmore, ASME)

10:30 – 10:45: Break

10:45 – 11:30:

Using ASME Codes as a basis for meeting the PED – Part 2^A (Peter Hanmore, ASME)

11:30 – 12:15:

Overview of PED Requirements for ASME Materials, PMA, Welding Procedures and Qualification, NDE Operators and CE Marking – Part 1^A (Gabriele Noli, Rina Services SpA)

12:15 – 13:00:

Overview of PED Requirements for ASME Materials, PMA, Welding Procedures and Qualification, NDE Operators and CE Marking – Part 2^A (Gabriele Noli, Rina Services SpA)

OCTOBER 20 – AFTERNOON – 14:00 to 18:00

SESSION II - PROCESS EQUIPMENT – Comparison of Pressure Vessel Codes ASME Section VIII and EN13445. Ref. ASME STP-PT-007 and Comparative Study of Pressure Equipment Standards.

14:00 – 14:20:

Quality Assurance management: experience of EUR-ACE European Network (Alfredo Squarzone, Università di Genova)

14:20 – 14:45:

Survey on the codes used for the Pressure Equipment in Italy (Matteo Cannerozzi, Comitato Termotecnico Italiano)

14:45 – 15:30:

Some aspects on the comparison of ASME Code Sect. VIII and PED/EN 13445 – Part 1^A (Robert Kauer, TÜV SÜD)

15:30 – 15:45: Break

15:45 – 16:30:

Some aspects on the comparison of ASME Code Sect. VIII and PED/EN 13445 - Part 2^A (Robert Kauer, TÜV SÜD)

16:30 – 17:15:

Design and fabrication of a pressurized reactor equipment for DR Plant according to ASME VIII Division 1 (Christian Adami, Danieli Officine Meccaniche SpA)

17:15 – 18:00:

Round Table on Session I and II, chaired by Prof. **Muzio Gola** (Politecnico di Torino) and attended by all speakers. Speakers will answer to attendees' questions.

OCTOBER 21 – MORNING – 9:00 to 13:00

SESSION III - POWER PLANTS AND PROCESS PLANTS –

A) Comparison of Piping Codes ASME B31.1 and EN13480; B) Comparison of Piping Codes ASME B31.3 and EN13480.

9:00 – 9:45:

The application of ASME and PED in pressure vessel and piping manufacturing (David Morris, ASME UK & Ireland Section)

9:45 – 10:30:

Using the Power Piping Code ASME B31.1 to meet the PED (Michel Margat, Hartford Steam Boiler Int'l GmbH)

10:30 – 10:45: Break

10:45 – 11:30:

Requirements related to the Pressure Test of piping, point 3.2.2 of Annex 1 and extension of NDT; possible use of pneumatic test (Fulvio Revello, Rina Services SpA)

11:30 – 12:15:

The Effect of Hydrogen and Low Temperature on Mechanical Properties of Pipeline Steels (Laura Vergani, Politecnico Milano - P. Fassina, ENI SpA - L. Lazzari, Politecnico Milano - R. Legori, Saipem SpA)

12:15 – 13:00:

Round Table on Session III, chaired by **Fulvio Revello** (Certification Services Division, Rina Services SpA) and attended by all speakers. Speakers will answer to attendees' questions.