



ASME Training Course Turin, June 2011

PRESENTATION OF ASME ITALY SECTION



WHAT'S OUR MISSION

ASME Italy Section is a non-profit association devoted to promotion of Mechanical Engineering arts, sciences and practices in Italy in cooperation with ASME International and other national and international Engineering Associations.



WHAT'S OUR ACTION LINE

- **ASME Italy Section as part of the big ASME family intends to operate in full respect of the ASME main mission with a strong link with the local Italian situation.**
- **ASME Italy section plans to operate and correlate its action with all the Italian Associations bringing the strong ASME orientation to standardization and working in order to**
 - improving cooperation and coordination between industry and academy, supporting sharing of theoretical and practical engineering culture and experiences
 - increasing the number and the suitability of contacts with USA and worldwide industrial and academic partners through the extended ASME network

NETWORKING OF MECHANICAL ENGINEERING ASSOCIATION IN ITALY

- **ADM** – Technical Drawing and Design Methods. Mission: Technical Drawing and Design Methods and Tools, evenly computer based.
- **AIAS** – Stress Analysis and Machine Design. Mission: Mechanical and Structural Design, Stress and Strain Analyses, Experimental Mechanics, Mechanics of Materials, Numerical Methods and tools.
- **AIM** – Metallurgy. Mission: Manufacturing Processes, Materials, Metallurgy.
- **AIMETA** – Theoretical and Applied Mechanics: General, Fluids, Machines, Solids, Structures . Mission: Theoretical, Computational, Experimental and Applied Mechanics, Functional Design
- **AITEM** – Mechanical Technology. Mission: Manufacturing Systems, Materials, Processes
- **ANIMP** – Industrial Plants. Mission: Design, Safety and Maintenance of Industrial Plants.
- **ATI** – Applied Thermo-techniques. Mission: Industrial Systems, Machinery, Processes and Applied Thermodynamics.
- **CdM** – Italian Mechanical Engineering (National) Coordination. Mission: coordination of the activities concerning the mechanical engineering in Italy. Active working groups: Research and Innovation – Education and teaching activity – Communication and dissemination

These Associations already have in many cases partnership or cooperation agreements with ASME

WHAT DONE

- ✓ Activation of ASME Italy Section website: www.asme.it
- ✓ Organization of PED-ASME Conference to be held in Genova, 20-21 October 2011
- ✓ Established regular communication with all section members
- ✓ Enhance relation and partnerships with other engineering associations (AIAS, EYE, NAFEMS, AIMETA)
- ✓ Participation to the LTC2011 in Dallas (March 2011) and DHOB meeting in Brussels (May 2011)
- ✓ Promotion of section activities through the Italian Professional Engineers Registers (local magazines and newsletters)
- ✓ Supporting University PhD Course in Turin this June 2011 “*Current Topics in Finite Element Approaches Applied to Mechanical and Mechatronic Systems*”

ASME ITALY SECTION WEBSITE



ASME Italia promuove l'Arte, la Scienza e la Pratica delle discipline Ingegneristiche in Italia in stretta collaborazione con ASME International e le altre Associazioni locali ed internazionali, operanti nei medesimi settori.



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CONFERENCE ON PED – ASME WEB PAGE

Conference on PED Requirements and ASME Code

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Contacts
ASME Europe Office
Avenue de Tervuren 200
B-1150 Brussels – Belgium
Email: info-europe@asme.org
General Inquiries: + 32 2 742 15 42
General Fax: + 32 2 742 15 50

ASME Italy Section
Francesco Alclino
ASME Italy Section, Chair
PED Conference Scientific Committee Chair
Via Colombo, 11/7 - 16121 Genova - Italy
Tel +39 010.5705556
Fax +39 010.5201000
francesco.alclino@asme.org
www.asme.it

Join us in Italy
for the Conference on
PED Requirements and
ASME Code

Location: Magazzini del Colone • Genova, Italy
Date: 20-21 October 2011



ASME and the ASME Italy Section are bringing to Italy "PED Requirements and ASME Code: an overview of correlations and differences", a Conference aimed at discussing the correlations and differences between the PED requirement and the ASME Code.

The following topics will be discussing during the two days of conference:

- PED Safety Essential Requirements: when designing, fabricating, inspecting and erecting according to ASME Code (ref. STP/PT-002 ASME Section I PED Guide)
- Comparison of Pressure Vessel Codes ASME Section VIII and EN13445. Ref. ASME STP-PT-001 and Comparative Study of Pressure Equipment Standards
- Power Plants and Process Plants: a comparison between Piping Codes ASME B31.1, ASME B31.3 and EN13480
- Nuclear Plants and Components

Exhibition and Sponsorship opportunities available! Showcase your company. Present products, services and innovations. Meet directly industry leaders and experts in the field.

Enjoy the round table discussion with experts from ASME, industry, companies and academia.



CONFERENCE PED-ASME OBJECTIVE

- The conference is aimed at giving an overview of the correlations and differences between the PED requirements and the ASME BPV Code.
- Experiences, discussion and round tables will be shared with some experts from ASME and engineers from both industry and university.
- Provide exhibition opportunities for those working in the Pressure Equipment Construction field.



CONFERENCE PED-ASME

MAIN TOPICS

- PED Safety Essential Requirements when designing, fabricating, inspecting and erecting according to ASME Code (ref. STP/PT-002 ASME Section I PED Guide)
- Comparison of Pressure Vessel Codes ASME Section VIII and EN13445. Ref. ASME STP-PT-007 and Comparative Study of Pressure Equipment Standards
- Power Plants and Process Plants: a comparison between Piping Codes ASME B31.1, ASME B31.3 and EN13480
- Nuclear Plants and Components

NEXT STEPS

- ❖ Create a regular (monthly or bi-monthly) news letter (the flyer distributed today is the basis for it!)
- ❖ Activate a thematic work group on Mechatronics and Robotics proposed by Section Vice-Chair, E. Brusa, and ASME Member, E. Guglielmino – IIT and approved by Section Directing Board
- ❖ Stimulate creation of other thematic work groups (possible, but not limited to, subjects are: Boiler and Pressure Vessel Design and Codes, Turbo-machines)
- ❖ Promote constitution of a students section
- ❖ Promote awards for young researchers in Mechanical Engineering (currently in review with AIAS)
- ❖ Support RAAD (21 International Workshop on Robotics in Alpe-Adrian-Danube Region) 10-13 September 2012, Naples



THANK YOU!