



District H Operating Board Meeting 2010

DHOB face to face meeting

Italy ASME Section



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Italy ASME Section

- Thanks to the strong support of the District H Chair and the acceptance of the ASME International Board the Italian Section finally was constituted and succeeded to join to the large District H and to the ASME family!
- On June 5th the Italian Members met, approved the bylaws and appointed the Directors' Board and the Auditors' Board
.... and now we are ready to start!



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Only a few words on the Directors' Board:

- Francesco Martelli, Academic, Honorary Chair
- Francesco Alicino, Professional Engineer, Chair
- Eugenio Brusa, Academic, Vice-Chair
- Luca Gaetani, Professional Engineer, Secretary
- Paolo Lista, Professional Engineer, Treasurer
- Giuseppe Rega, Academic, Councillor

and on the Auditors' Board

- Giovanni Cerri, Academic, Chair
- Francesca Sperandio, PH Student, Auditor



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Italy ASME Section

THE FRAME WHERE THE ITALIAN ASME SECTION ORIGINATES

- **On one side:**
The big family of ASME International, through the District H, with its extended international network and long-time experience in the field of applied research and standardization.
- **On the other side:**
The Italian Associations of Mechanical Engineering



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AN OVERVIEW OF THE ITALIAN ASSOCIATIONS OPERATING IN THE FIELD OF MECHANICAL ENGINEERING AND THEIR MISSIONS

- 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



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WHAT ROLE THE ITALIAN ASME SECTION CAN HAVE IN THIS FRAME?

- **IAS 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.**
- **IAS 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
- **How reaching these goals?**
 - promoting or arranging workshops and conferences in Italy open to all sectors: industry, professional, academy
 - support publication of the research results and their circulation outside the academy
 - promoting circulation of ASME culture and knowledge of ASME standards
 - supporting integration of the ASME standards with local standards or technical rules (i.e. ASME vs. PED) also opening a technical table where the technical aspects can be discussed and reviewed.
 - increasing the knowledge of challenging new technologies and methods, particularly in case of multidisciplinary matters.
 - giving a contribute to the implementation of new codes covering new challenging aspects of mechanical engineering.



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Italy ASME Section

Coordination with the industry and the professional activities

- Expected benefits for industry and professionals.
- Diffusion of the ASME culture and promotion of local courses devoted to spread the knowledge of ASME standards. Opening a contact point for issues related to the ASME standard application.
- Italian ASME Section events organization.
- Correlation of the BPVC Code with PED.



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Italy ASME Section

Expected benefits for industry and professionals

The Italian ASME Section can represent a place where:

- Exchanging industrial, professional and academic experiences, contributing to fill the gap between academic and industrial/professional worlds.
- Discussing and reviewing mechanical engineering subjects of interest for industrial (mechanical, plant engineering, etc.) application.
- Highlighting subjects that require the definition of a methodological approach (engineering norms, mechanical and structural design, control, etc.) and promoting the solving actions to which university and industry can contribute.



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Diffusion of the ASME culture and promotion of local courses devoted to spread the knowledge of ASME standards. Opening a contact point for issues related to the ASME standard application

- Professional experience suggests that ASME standards are largely and extensively applied in Italy but not ever known in-depth. The professional practice is not all time corroborated by the knowledge of why (know how but not why).
- There is, then, a need to diffuse either the ASME culture or the knowledge of the ASME standards, with special reference to their background (know why).
- Access to international ASME courses is not ever accessible to all technical persons involved (cost, distance, time).
- Issues on ASME standard application are frequent, while the time required to have access to the solutions can be critical.
- A local place where channeling the issues and able of providing a first level review can be highly beneficial.



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Italy ASME Section

In which fields the Italian ASME Section can contribute with events organization?

The Italian ASME Section can cooperate with the other Mechanical Engineering Organization to set up events of interest on:

- Applied Mechanics
- Energy
- Boiler and Pressure Vessel Design (BPVC)
- Plant design
- Mechanical design
- Mechatronics and micromechatronics
- Systems dynamics, measurements and control
- Materials innovation and characterization



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Correlation of the BPVC Code with PED

- Place which can afford the opportunity to review the deep correlation between BPVC Code and PED: topical points, differences, peculiarities, compliance
- Why this need?
 - Extensive use of ASME Code for plant to be operated in Italy (in particular for piping)
- What the expected benefit?
 - Spread knowledge of the way to get the two codes compliant (the publications issued by ASME on this respect are not well known yet)
- How this goal can be reached?
 - Appoint a permanent working group to follow up the issues of correlation between ASME BPVC and PED
 - Arrange workshops on this issue



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WHAT IAS CAN DO IN THE NEAR FUTURE?

As Mechanical Engineers we are well aware that the start-up is the most critical phase...so we prefer keeping a low profile, aiming our action at what is strictly essential:

- Developing the Organizational Structure, by identifying the main fields where starts operating and soon assigning well defined task to the Volunteer Members
 - Special attention devoted to
 - Creation of a Student Member Department
 - Promote activities involving Young Engineers
 - Promote recruiting of new Members
 - Creating a National Periodic Newsletter in order to inform the Italian ASME Members about the activities taken and their results
 - Creating a National Website (as part of the wider ASME website) where the Italian ASME Members can meet and exchange their experiences (as ASME's PeerLink)
 - Exploring ways for self-financing
- Participating in an active way to the District H life
- Contributing to the ASME events in Italy and in the District H area



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WHAT IAS CAN DO IN THE NEAR FUTURE?

There is an additional thing that we would like to do and we'll try to succeed in:

- Arranging a National Workshop on the interrelations between ASME Code and PED open to the Italian Industry, Professionals and Academics operating in the field of design, manufacturing, operation and certification of Power and Process Plants (Nuclear included).



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Thank you for your kind attention!