

# Power Division

The **Power Division** was organized in 1920, when ASME membership had grown to over 13,000 and it was decided to set up several divisions to better advance related professional activities. The Power Division is dedicated to the advancement of steam and hydro power generation and use. The Division sponsors professional publications, meetings, classes and discussions, and provides a forum for engineers who are interested in the design development, selection, operation, maintenance, economics, environmental effects, research, and education related to power production equipment and facilities.

The Power Division is one of the 35 Technical Divisions of the ASME and one of four in the Energy Conversion Group (ECG). The other ECG Divisions are Fuels and Combustion Technologies (FACT), Internal Combustion Engine (ICE) and Nuclear Engineering (NED). The division activities include organizing and supporting local and overseas conferences, presenting technical courses, developing industry guidelines, awarding student scholarships, and administering awards.

## Mission

The Power Division will continue to provide its membership and the power and related industries with vitally important technical and professional information and support by concentrating on the Division's strengths, modifying current practices, implementing new concepts, and continuing to listen to the concerns and suggestions of its membership.

- Power Division Administrative Committees
  - Education and Research
  - Honors and Awards
  - International Relations
  - Program Coordination
  - Public Affairs
- Power Division Technical Committees
  - Turbines, Generators and Auxiliaries
  - Steam Generators and HRSG's
  - Systems & Power Generation Facilities Design
  - Power Generation Operations
  - Combined Cycles and Industrial Power
  - Heat Exchangers
  - Reliability, Availability & Maintainability
  - Hydro Power

## Honors and Awards

The Power Division promotes members to a Fellow Grade of Membership to recognize continuing contributions to the Society and the field of Mechanical Engineering. In addition, the Division participates in the following Society Awards:

- Prime Movers Committee Award
- James N. Landis Medal
- James Harry Potter Gold Medal
- Melville Medal
- George Westinghouse Medal
- Henry R. Worthington Medal

## Power Division Core Competencies

- Conference preparation and implementation.
- Technical expertise members

## Conferences

- **ASME Power:** Power Division organizes the ASME Power conference that is presented in partnership with the Electric Power Conference in the Spring.
- **Educational Products:** Power Division promotes membership in student sections and sponsors Scholarships, which are awarded to about 6 students each year.

## Continuing Education

- Power Division promotes and participates in ASME short courses. Additional material is available as:
  - CD ROMs
  - Videos
  - ASME Press Books and publications

## Resource Publications

The Power Division partners with Energy Tech Magazine to provide an 8-page section highlighting technical issues.

In addition, the Power Division promotes and encourages contributions to the Societies library of available material. Publications include:

- Conference Publications:
  - Power
  - Gas Turbines
  - Nuclear Engineering
  - Fuel and Combustion Technologies
  - Solar Energy
  - General Interest Books
- Journals
  - Journal of Engineering for Gas Turbines Power
  - Journal of Energy Resources Technology
  - Journal of Heat Transfer
  - Journal of Pressure Vessel Technology
  - Journal of Solar Energy Engineering
  - Journal of Turbomachinery
  - Journal of Dynamic Systems, Measurement and Control
- ASME Press Books
  - Power
  - Pressure Vessels and Piping
  - Heat Transfer
  - General Interest
- Research Projects Publications

## Member and Volunteer Services

- Power Division Strengths
  - Strong conference participation
  - High quality papers and other presentation materials for our Conference
  - Dedicated hard working core group of volunteers.
- Power Division Weaknesses
  - Needs to improve liaison with Students and Educational Organizations.
  - Needs to improve methods and procedures for International Involvement.
  - Needs to develop additional ways to communicate technical information to the membership in addition to the conference format.
  - Needs to provide opportunities for our membership to contribute to the technical and administrative committees even if they cannot travel.