

Rail Transportation Division



Mission Statement

- The Rail Transportation Division provides education, information and technology advances for the Rail Industry - comprising operators, suppliers, academia, and government. Through its efforts, productivity and safety of the rail system improves.



TERREY HAWTHORNE MEMORIAL SCHOLARSHIP 2005 – 2006 Academic Year

- On March 16, 2004, the railroad industry lost a much respected engineer, and a valued friend. We are saddened by his loss, but today we honor his contributions to ASME and the railroad industry through a career spanning 48 years with the Terrey Hawthorne Memorial Scholarship
- In honor of Terrey Hawthorne, the Rail Transportation Division (RTD) of the American Society of Mechanical Engineers (ASME) is offering one \$2,000 scholarship award for the 2005-2006 academic year. Current employees of railroads, railroad supply firms, transit authorities, associated companies and their family members are eligible.

Objectives

- To promote the art and science of Mechanical Engineering in the Rail Transportation Industry
- To afford Mechanical Engineers a means for discussion and solution of problems encountered in the field of Rail Transportation Mechanical Engineering
- To serve freight, passenger, rapid transit and locomotive transportation equipment
- To reach into areas of common interest with other divisions of ASME or other organizations and societies
- To encourage research and development and the publication of significant data
- To encourage the interchange of ideas among engineers

Short Range Goals

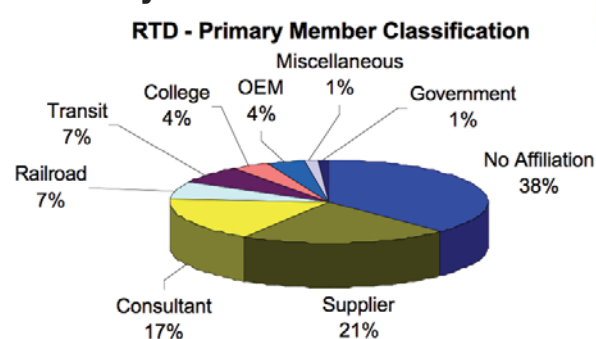
- Membership**
 - Under new revitalized leadership, the membership chairperson and his/her committee should develop strategic initiatives including but not limited to:
 - A new Rail Transportation Division brochure that includes a list of membership advantages.
 - A personalized campaign for new members within the identified customer base.
 - Use each ASME or joint RTD conference to promote new members.
 - Create enthusiasm within current active RTD members to recruit new members.
 - Analyze membership statistics for facts and trends.
 - Leadership Personnel**
 - The success of the Division is very dependent on volunteer leadership. These volunteers must be identified from the Division membership and moved up through the various committees and chairs. With the various paradigm shifts in the industry, care needs to be taken to review/modify the industry/academia plan as laid out in the Division By-Laws. Other critical strategic issues include but are not limited to:
 - Filling committees with potential leaders.
 - Consider the creation of new committees and/or elimination of existing committees.
 - Review/create a list of duties or expectations of all committees
 - Conferences – The Division Chair and the Executive and General Committees shall explore ways conferences can facilitate the long-range goals of the Division. Including but not limited to the following:**
 - Joint conferences with AREMA, potential conferences in Europe, conferences with ASME Material Handling Division and/or Tribology Division and/or with Applied Mechanics Division.
 - Keep close reins on conference budgets, making sure each conference finishes in the black.
 - If possible, increase the size of the Joint Rail Conference with the IEEE Land Transportation Division.
 - Use meeting time during conferences for critical strategic and tactical planning not efficient or possible by using conference calls.
 - Technical papers should be more rigorous and relevant over time, increasing the value for conference attendees.
 - Honors and awards should play an important role at every RTD Luncheon at conferences.
- Every conference conclusion should include a meaningful critique, and in the case of Joint Conferences, planning for future conferences

Membership

Membership Reflects all Major Industry Segments

Primary Members - 766

Secondary Members - 438



Supplier
Consultant
Railroad
Transit
College
OEM
Miscellaneous
Government

Industry Participation / Conferences

RTD Facilitates 2-3 Technical Conferences per Year which present new developments, designs, concepts, and problem solutions from an international perspective

- Conferences Feature**
 - 24-36 Technical Papers Presented
 - Average Attendance of 100 Industry Experts
 - Tours of Local Points of Interest
 - Port of Baltimore
 - TTCi Railroad Test Facility in Pueblo, CO
 - General Electric Engine Plant
 - Table-Top Advertising Creates Exposure for Industry Partners
- March 2005 Features a Joint Rail Conference with IEEE - Land Transportation Division
- Annual Participation in IMECE
- Recent Joint Conference with ASME - ICED - Internal Combustion Engine Division

RTD - Publications & Awards

- Publications:** Semi-Annual RTD Newsletter
Proceedings for two conferences per year
- Awards:** Arnold Stucki Award - In recognition of eminent achievement by a member of the RTD in advancing the science of mechanical engineering in the field of RTD.
- Distinguished Service Award** - In recognition of distinguished service by a member of the RTD.
- Terrey Hawthorne Memorial Scholarship Award** - Annual scholarship of \$2000 awarded to an employee of a firm associated within the Rail Industry.
- Best Paper Award** - Presented annually to the best paper presented during prior year's technical conferences.

Long Range Goals

- The Rail Transportation Division of the American Society of Mechanical Engineers (ASME-RTD) shall be the pre-eminent technical group providing documentation of technical (mechanical) information regarding the design, construction, operation, regulation, safety, and maintenance of locomotives, freight and passenger rolling stock.
- The ASME-RTD shall be the central focus of continuing mechanical engineering education in the railroad field, including the providing of credit toward professional certifications for participating engineers involved in the aforementioned pursuits.
- The ASME-RTD will have the respect and support of its operations at all levels of companies, institutions, and regulating bodies involved with the aforementioned pursuits since nearly 100% of the engineers in those organizations are active members. It will be respected by industry for being impartial and a major contributor to helping resolve technical debate on critical industry issues.
- To the greatest extent possible, the ASME-RTD will be a net revenue generator, enhancing its own outreach and contributing to achieve the Society's goals and objectives, organizationally, functionally, and financially. The Division will continue its outreach to other related technical organizations and provide leadership in those relationships.