REGISTER NOW – 2016 JOINT RAIL CONFERENCE

University of South Carolina
Columbia, SC
April 12-15, 2016

To download a pdf of the registration form for JRC 2016, click on Download Form or follow link below:


Registration Fees

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<tr>
<th>Category</th>
<th>On/Before March 12th</th>
<th>On/After March 13th</th>
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<tr>
<td>Author/Presenter – ASME Member**</td>
<td>$600</td>
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<td>One Day Conference Rates</td>
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** Includes ASME/IEEE/ASCE/AREMA/TRB/INFORMS/APTA/NuRail
Registration Fee Includes:

- On-line access to the technical papers
- Session-break refreshments
- Conference Breakfasts 3 days
- Conference Reception
- Conference Banquet and Program
- Box Lunch

One-Day Includes:

- On-line access to the technical papers
- Session-break refreshments on selected day
- You may purchase Banquet & Program tickets separately
- Lunch and Conference Breakfast on selected day

Substitutions/Cancellations:
All cancellation requests must be made in writing and faxed. Cancellations made through March 12, 2016 will receive a full refund, less a $150 administration fee. Refunds will be made within four weeks of the end of the conference. Refunds are not available beginning March 13, 2016. Contact ASME CustomerCare at +1-800-843-2763 to make substitutions at any time. "No shows" are not refundable and are liable for the full registration fee. Instead of canceling, your registration may be transferred by giving a colleague a written authorization. Forms without payment will NOT be processed.

All cancellations must be in writing and submitted no later than March 12, 2015. Send to Mary Jakubowski by e-mail below:

ASME Membership:
It is easy to apply, and the benefits include the fellowship and recognition from being associated with one of the largest engineering societies in the world. ASME members and student members, and members from select countries can receive a discount to the conference registration.

You can apply for ASME membership by registering online. Alternatively, you can call: 1-800-THE-ASME (800-843-2763) or outside North America 973-882-1167 and ASME will mail you an application, or you can e-mail to CustomerCare@asme.org and request an application.

For questions about the conference, hotel, and registration please contact:

Mary Jakubowski, CMP
Event Manager
Tel: 212-591-7637
Fax: 212-591-7856
Email: jakubowskim@asme.org
It is with great sadness that we inform you that E. Thomas Harley died on Sunday, August 2. Tom was active in the ASME Rail Transportation Division for many years and was a Life Fellow of the ASME. He had a long and distinguished career in the railroad industry. He died comfortably at home under hospice care.

After graduating from Northwestern in 1949 Tom joined the Pennsylvania RR moving through a variety of positions in the mechanical department to become Assistant Chief Mechanical Officer – Locomotives in 1965. After the Penn Central merger in 1968, he became General Mechanical Superintendent Locomotives and then General Mechanical Superintendent Research and Engineering for the Penn Central and Conrail. He left Conrail in 1979 to join Trailer Train Company, where he was Vice President Equipment. He retired from Trailer Train in 1987 and then worked as a consultant for LTK Engineering Services.

Tom, age 88, of King of Prussia, PA is survived by wife, Patricia D. (Dunning); son, Brian T. (Dr. Cynthia Werner) Harley; daughter, Linda A. Harley; stepchildren: Michael T. (Justine Sanchez) Pendy, Kathleen M. (John)Ruocco and Jill E. Pendy; 7 grandchildren; daughter-in-law, Joan E. Harley; sister, Joyce (Jack) Behrend; nephew, Mark Murphy; niece Kathleen Gormally. Predeceased by first wife, Rosemary J. (Sharp) and son, Robert E. Harley. Funeral Service was at Valley Forge Presbyterian Church, 191 Town Center Rd., King of Prussia on Saturday, August 8, 2015.

Memorial contributions to American Cancer Society, 480 Norristown Rd., Suite 150, Blue Bell, PA 19422 www.cancer.org and/or Neighborhood Hospice and Home Care, 400 E. Marshall St., West Chester, PA 19380.
Each year the Rail Transportation Division of the ASME provides thousands of dollars of scholarship money, through the V. Terrey Hawthorne Memorial Scholarship Fund, to promote student travel to the annual Joint Rail Conference. Since 2011, over $73,000 has been awarded to 71 undergraduate and graduate level students from numerous U.S. colleges and universities. In 2015, one of the scholarship recipients was Alex Reinsmith, an undergraduate studying Rail Transportation Engineering at Penn State Altoona.

Alex was the lead author on a technical paper, “Standardization of High-Wide Load Measurement using Laser-Based Technology,” and presented this paper at the conference. This was Alex’s first time attending the Joint Rail Conference, and he described the experience, saying, “The biggest thing that I took away from the 2015 JRC was learning about the leading advances in railroad technology and also being able to visualize the future of technology in the rail industry.” Alex spent this past summer working as an intern with Conrail (shared assets) in Eastern New Jersey. He is now a senior at Penn State Altoona and will graduate in May 2016 with a Bachelors of Science in Rail Transportation Engineering. His current career goals are to obtain his PE license and work for a company in the railroad industry.

While authorship of a technical paper is not required for student attendees at JRC, Alex felt that writing a paper and presenting his research was a valuable experience that will help his career in the future. He would like to express his gratitude to the ASME RTD for providing this scholarship to allow him to travel to the conference.
Advanced Railroad Technology Group

The Advanced Railroad Technology Group (ART) in the Department of Civil and Environmental Engineering (CEE) at the University of South Carolina is a nucleus of excellence in Railway Engineering. The group was established in August of 2011 as part of the strategic planning of the CEE department to cater to the needs of targeted industries. It is formed by a team of faculty and associates with interest and expertise in Railroad Engineering. The ART Group promotes research, education, technology transfer and workforce development in Railroad Engineering.

The ART group has coordinated the development of six courses in railway engineering to expand the Civil Engineering curriculum to include railway engineering education. All courses are taught through the online APOGEE program at USC that is ranked by News & World Report among the “Best Online Programs Graduate Education 2013” and are available to undergraduate and graduate students as well as for continuing education credit. The CEE department offers MS and PhD degrees with emphasis in railway engineering.

The rail related research activities of the group are sponsored by federal agencies and the private industry. Current research areas include: (1) Railway dynamics and vibrations, (2) Material development for concrete ties, (3) Deterministic and stochastic modeling of dynamic track performance, (4) Ballast modeling research, and (5) Inspection and diagnostic systems for rail track and structures. The group is expanding its research activities to become multi-disciplinary reaching out to other departments in engineering, sciences and business.

The AREMA student chapter at USC was chartered in April 2012 as the seventh chapter in the country. Total membership is 58 students with 38 currently active members. Student members successfully compete and win scholarships from rail industry trade associations. Since the program was established in 2011, over 180 undergraduate and graduate students have registered in rail related courses and six graduate students (MS and PhD) have graduated or are currently in the program.

For inquiries about the railroad related activities at USC, research capabilities of the group and the education program please contact:

Dr. Dimitris C. Rizos
Director of Advanced Railroad Technology Group
Department of Civil & Environmental Engineering
University of South Carolina
300 Main Street
Columbia SC 29208

Voice (803) 777-6166
Cell (803) 414-5506
Email rizos@engr.sc.edu

Or visit http://oat.engr.sc.edu/art/
The American Society of Mechanical Engineers (ASME) Rail Transportation Division (RTD) continues to be a strong supporter of collegiate researchers, both professors and students, who play a vital role in the advancement of the rail industry. To this end, the ASME RTD offers the ASME RTD Graduate and Undergraduate Student Scholarships, which give students the opportunity to network with rail professionals, present rail research publications, and exchange ideas on rail technological innovations and solutions at the ASME Joint Rail Conference (JRC). Most importantly, the scholarships increase the awareness of the rail engineering discipline from both an academic and professional perspective.

Since 2011, the ASME Rail Transportation Division has awarded $73,850.00 in student conference scholarships to 71 deserving undergraduate and graduate students enrolled at U.S. colleges and universities with an interest in rail.

In support of the 2015 ASME Joint Rail Conference, a total of 20 Graduate Student Scholarship applications and 3 undergraduate applications have been accepted.

Please note that additional scholarship details and requirements may apply. For additional scholarship details and requirements, please visit the 2015 ASME JRC website. Scholarships will be offered again for the 2016 JRC.

**ASME RTD Graduate Student Conference Scholarship**

**Purpose:** Fund travel, lodging, and conference registration expenses for scholarship awardees selected to attend and present their research publication at the ASME Joint Rail Conference.

**Award Amount:** $1,100.00 USD

**Requirements:**
- The student must be enrolled full-time and attending a U.S. college or university.
- The student must submit an abstract(s) and written paper(s) for the ASME Joint Rail Conference and have them accepted through the publication process. **Note:** If you are an undergraduate student who has submitted an ASME technical paper for the conference, you are not required to submit an essay, but you are required to submit the undergraduate application to be considered for the undergraduate scholarship.
- The paper topic(s) must be relevant to the rail industry.
- The student must be lead author of the accepted paper(s).
- The student must complete and return the ASME RTD Graduate Student Scholarship application to rtdscholar@gmail.com by the deadline specified.
- The student must receive written notification from the ASME RTD Scholarship Committee indicating award of the scholarship.
- The student must deliver an oral presentation of the paper(s) in person at the conference.
- In order to be issued the scholarship, the student must be registered for the full conference as a student and must provide a completed Request for Taxpayer Identification Number and Certification Form (W-9) in PDF format for his/her college/university. The completion of the form is required for tax purposes and will need to be returned to the Scholarship Program Chair by the deadline specified. **Note:** W-9 Forms are not requested until after students have been notified of scholarship award and should indicate college/university tax information, not the applicant's tax information. In addition, only one W-9 Form should be submitted per college/university.
ASME RTD Undergraduate Student Conference Scholarship

Purpose: Fund travel, lodging, and conference registration expenses for scholarship awardees selected to attend the ASME Joint Rail Conference.

Award Amount: $850.00 USD

Requirements:

- The student must be enrolled full-time and attending a U.S. college or university.
- The student must be enrolled in an undergraduate engineering program at their university, college, or technical college.
- The student must be of Junior or Senior status.
- The student must submit a minimum 250-word essay outlining why they should be selected to attend the conference and what they hope to gain through attendance (or what the student could contribute to the rail industry). Or, alternatively, a minimum 250-word essay can be submitted that suggests a solution to a real-world rail industry problem.
  
  **Note:** If you are an undergraduate student who has submitted an ASME technical paper for the conference, you are not required to submit an essay, but you are required to submit the undergraduate application to be considered for the undergraduate scholarship. If your technical publication is accepted and you are awarded the scholarship, the award will be in the amount of $850.00 USD.

- The student must complete and return the ASME RTD Undergraduate Student Scholarship application and essay to rtdscholar@gmail.com by the deadline specified.
- The student must receive written notification from the ASME RTD Scholarship Committee indicating award of the scholarship.
- In order to be issued the scholarship, the student must be registered for the full conference as a student and must provide a completed Request for Taxpayer Identification Number and Certification Form (W-9) in PDF format for his/her college/university. The completion of the form is required for tax purposes and will need to be returned to the Scholarship Program Chair by the deadline specified. **Note:** W-9 Forms are not requested until after students have been notified of scholarship award and should indicate college/university tax information, not the applicant's tax information. In addition, only one W-9 Form should be submitted per college/university.

In addition to the $850.00 USD undergraduate scholarship award for reimbursement of travel-related expenses to attend the conference, one undergraduate student will be selected to receive an additional award for “Best Essay” based on the quality of his or her essay. Details of the award will be provided during the conference banquet where the award will be presented.

**COMPLETE YOUR PROFILE ON ASME.ORG**

Have you filled out your profile in ASME.org? If not, you should make this a priority as it allows you access to the Rail Transportation Division Group Page as well as your Technical Committee Group page. If you have a LinkedIn account, you can quickly import information to complete your ASME.org profile.

Once you complete your profile, you can then participate in an existing online group or create your own group based on a specific engineering discipline, your interests, or even your university alumni. You manage group participation, content, tools, and activities. The rich suite of ASME.org functionalities makes it easy for you to lead and grow your own group. It's a great opportunity to network, collaborate, and showcase your leadership skills to like-minded engineers.
Robert Irving - Division Chair

Michelle Muhlanger - Chair Advisory Committee

Ralph Maldonado - Secretary-Treasurer

Jeff Gordon - Chair Technical Program

Bryan Schlake - Asst. Chair Technical Program

Anand Prabhakaran - Chair Publicity

Monique Stewart - Chair Terrey Hawthorne Memorial Scholarship Fund

Li Cheng - Chair RTD Honors and Awards

Al Bieber - Chair RTD History and Heritage

Cameron Lonsdale - Asst. Chair RTD History and Heritage

Tom Guins - Editor RTD Newsletter

Sam Williams - Manager of Divisional Affairs