

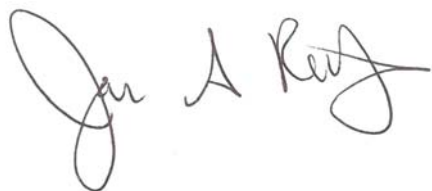
Chair's Message



Just as in the previous RTD newsletter, I am again happy to report that the Rail Transportation Division is doing well and has had a great year. We just recently wrapped up our annual Joint Rail Conference and it continues to grow and become a consistent success. While the papers are published through ASME the event is truly a joint effort among the 7 participating organizations. This year's event, held in April, was hosted by Temple University on their campus in downtown Philadelphia, PA. The Land Transportation Division of the Vehicular Technology Society (IEEE) led the logistic efforts under the leadership of Chairman David Thurston. David orchestrated the venue, events and speakers and led the organizational committee extremely well. I would like to pass on my compliments and appreciation of all the efforts of David and the volunteers who made the event a success. This 2012 JRC, which hosted just under 300 registrants from 14 countries and published 99 papers, represents one of the most successful Joint Rail Conference's to date.

The success of these events, along with the assistance of the sponsorships, allows us to support the technical community, education, and other organizations in the industry. At this conference we were able to award a record 12 scholarships to students who were the lead author and presented that published paper at the conference. The scholarship funds help offset the transportation costs for the students to attend the event and to allow for greater experience, networking and an increased interest in the industry.

My year as Chairman and service on the Executive Committee is nearing its end and I just want to say that serving the Rail Transportation Division has been very rewarding. I would also like to thank the entire committee for their excellent efforts, ideas and support; it has been a privilege working with you all. This truly is a wonderful organization that is a direct reflection on the people who are a part of it.



Jason Reiling
ASME-RTD Chairman, 2011-2012



The ASME Rail Transportation Division is pleased to announce that the **2012 Fall Technical Conference** will include a special "**RTD Data Management Symposium**". Below are detailed Call for Papers for the two portions of the conference.

2012 Fall Technical Conference – Call for Papers

The 6th annual ASME Rail Transportation Division, Fall Technical Conference (FTC) will be held in Omaha NE, USA on Tuesday and Wednesday, October 16-17, 2012.

You are invited to submit technical papers for presentation and discussion at the 2012 ASME Rail Transportation Division Fall Technical Conference. Papers are solicited from members of the railway supply industry, rail transportation companies, transit agencies, governmental agencies, consulting/engineering firms, academia, technical organizations and others. Papers should cover a topic of current industry interest. Topics may include, but are not limited to:

- Positive Train Control / Communications-Based Train Control
- High Speed Rail
- Track and Equipment Health Monitoring
- ECP Brakes
- Passenger Equipment Crashworthiness
- Innovations in Tank Cars
- Heavy Axle Load Performance Issues
- Materials and Failure Analysis of Track and Equipment Components
- Locomotive and Freight Car Improvements
- New or Improved Mechanical Components
- Vehicle / Track Interaction
- System Safety and Emergency Preparedness
- Infrastructure and Capacity Enhancements

The abstract due date is **May 18th, 2012**. Abstracts need to be submitted to the conference website <http://www.asmeconferences.org/RTDF2012/>. Advanced conference registration is required for the lead authors of papers, before final acceptance of papers for publication. For specific details and questions regarding submission of papers, please contact Michelle Muhlanger, michelle.muhlanger@dot.gov

The ASME Rail Transportation Division is offering a limited number of conference scholarships to provide an opportunity for students to attend the conference and present their rail research to the industry. For specific details and questions regarding the scholarship program, please contact Monique Stewart, Monique.Stewart@dot.gov



2012 RTD Data Management Symposium – Call for Papers

The ASME Rail Transportation Division is pleased to announce the **RTD Data Management Symposium** that will be held in conjunction with the 6th annual ASME Rail Transportation Division Fall Conference in Omaha NE. The regular RTD Fall Technical Conference will be held on Tuesday and Wednesday, October 16-17, 2012. The RTD Data Management Symposium will be held on Thursday, October 18, 2012.

The one day symposium is intended to focus on the growing data management and analysis needs in the rail industry.

You are invited to submit technical papers for presentation and discussion. The following data management topics are intended for the symposium, but not limited to:

<ul style="list-style-type: none"> • Wayside and monitoring system data generation and management • PTC data management and utilization • Vehicle and track inspection systems • Rules engines, decision making, and alerts/alarms • Risk analysis and prediction • Enterprise data management • Data presentation methodologies • GIS data utilization • Asset data management • Machine vision data management and analysis • User interfaces for field staff • Performance monitoring and trending • Innovative uses of data for increased efficiency and safety • Work management and work orders 	<ul style="list-style-type: none"> • Data warehouses, data mining, reports, research, and techniques • Real-time data techniques, mirroring, single-source, data acquisition, time-critical reporting, and reports • Integration of data, design, and benefits • Data formats and communication protocols • Database designs and best practices for speed, storage, special data types, and centralized vs. distributed designs • Statistical and filtering techniques, distributed processing • Data sharing and interchange between departments, railroads, and suppliers • Sensor data such as onboard, wayside, barcode/RFID, PTC, etc... • Mesh networks • Computer Aided Dispatching,
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Who Should Attend?

- Railroad mechanical, engineering, operations, and IT department staff involved with data management
- Suppliers of data management, wayside, track measurement, remote monitoring systems, PTC systems, etc...
- System Architects and Consultants of data analysis and risk assessment
- Academic and government researchers involved in data management and analysis

The abstract due date is **May 18th, 2012**. Abstracts need to be submitted to the conference website <http://www.asmeconferences.org/RTDF2012/>. Advanced conference registration is required for the lead authors of papers, before final acceptance of papers for publication. For specific details and questions regarding submission of papers, please contact Michelle Muhlanger michelle.muhlanger@dot.gov

ASME RAIL TRANSPORTATION DIVISION
2012 RTD FALL TECHNICAL CONFERENCE
and
DATA MANAGEMENT SYMPOSIUM

OCTOBER 15-18, 2012 -- OMAHA HILTON HOTEL

MONDAY, OCTOBER 15, 2012 – COMMITTEE MEETINGS AT HOTEL

TUESDAY, OCTOBER 16, 2012:

7:30 am - 11:30 pm CONFERENCE TECHNICAL TOUR

11:30 am - 12:30 pm CONFERENCE BOX LUNCH

RTD TECHNICAL SESSIONS

12:45 pm - 2:15 pm PLENARY SESSION

2:30 pm - 4:00 pm Technical Session 1

4:15 pm - 5:45 pm Technical Session 2

6:00 pm - 8:00 pm Conference Reception and Banquet

WEDNESDAY, OCTOBER 17, 2012:

7:30 am - 8:15 am Conference Continental Breakfast

RTD TECHNICAL SESSIONS

8:30 am - 10:15 am Technical Session 3

10:30 am - 12:15 pm Technical Session 4

12:30 pm - 1:15 pm Conference Luncheon

1:30 pm - 3:15 pm Technical Session 5

3:30 pm - 5:00 pm Technical Session 6

5:00 pm - 7:00 pm Conference Reception - Durham Museum

THURSDAY, OCTOBER 18, 2012 - DATA MANAGEMENT SYMPOSIUM:

7:30 am - 8:15 am Conference Continental Breakfast

RTD DATA MANAGEMENT Symposium

8:30 am - 10:15 am Session D7

10:30 am - 12:15 pm Session D8

12:30 pm - 1:15 pm Conference Box Lunch – NO PROGRAM

1:30 pm - 3:15 pm Session D9

3:30 pm - 5:00 pm Session D10

END OF CONFERENCE

FUTURE MEETINGS

2012 - FTC & Data Management Symposium: October 16-18 Omaha, NE

2013 - JRC: April 15-18 - Knoxville, TN - University of Tennessee, Knoxville Convention Center

2013 - FTC: Mid October - Altoona, PA, - Penn State Altoona

2014 - JRC: March - Pueblo, CO

2014 - FTC: Location Open

Note that all dates and locations are subject to change as planning progresses.

**RTD thanks the following list of companies for their generous support.
These supporters make success of our technical conferences possible.
2012 JRC**

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