

Rail Transportation

SPRING 2008

CHAIRMAN'S COMMENTS

ASCE Joins the JRC

RTD is excited to announce participation of a new partner in the annual Joint Rail Conference. Sponsor partnership has expanded to include the American Society of Civil Engineers (ASCE) Rail Transportation Committee (RTC) of The Transportation and Development Institute (T&DI). The annual Joint Rail Conference (JRC) has historically been sponsored by the Rail Transportation Division (RTD) of the American Society of Mechanical Engineers (ASME) and The Vehicular Technology Society (VTS), Land Transportation Division (LTD) of the Institute of Electrical and Electronic Engineers (IEEE). ASME and IEEE extend a hearty welcome to ASCE for the 2008 and future JRC conferences.



2008 JRC Wilmington DE

A tour of Amtrak's shops and wide-ranging presentations on industry advances await attendees of the 2008 JRC, to be held at the Wilmington, DE Downtown Doubletree Hotel April 22-24. The conference program includes developments in:

- Air brake systems
- Wheel wear/contact (including a Nadal's Limit panel discussion)
- Bearing performance
- Passenger cars and locomotives
- Vehicle design and operation
- Crashworthiness
- Tank car progress
- Traction power systems
- Train monitoring and control
- Energy efficiency and power demand management
- Modeling railroad dynamics
- Track and maintenance of way issues.

Mr. Rudy Vazquez, Amtrak Senior Director, High Speed Rail Maintenance/Overhaul Engineering, AMTRAK Mechanical Department, will be the 2008 JRC luncheon feature speaker. He will discuss the multi-faceted challenges of locomotive maintenance.

IEEE is the lead organization for this JRC and has spearheaded the Wilmington arrangements. IEEE, ASME, and ASCE volunteers and staff have once again joined forces to do an outstanding job in handling arrangements for the conference. Their dedication, enthusiasm, and hard work are so essential and so much appreciated.

2008 RTD Fall Conference Chicago

Also, mark your calendars and keep those keyboards churning with presentations information for the RTD Fall conference to be held September 24-25 at the Chicago Hilton, in affiliation with and immediately following, the Railway Supply Institute Expo and Convention September 21-24.

Virginia Tech Memorial

In 2007, ASME established an ASME/Virginia Tech Memorial Scholarship Fund for Virginia Tech students as a

memorial to the shooting tragedy on that campus. In sympathy with the ASME request and in recognition of the schools affiliated with the Association of American Railroads for railroad industry research work, RTD is contributing \$1500 to Virginia Tech, \$1000 to University of Illinois and \$1000 to Texas A&M. This action was taken in lieu of scholarship awards for 2007.

Membership renewal donations

RTD extends a "thank you" to those of you who have included a donation with your ASME membership renewal. ASME shares your donation with RTD in support of its efforts.

Nick Darien
ASME RTD Chair 2008

FUTURE MEETINGS
2008 JRC - April 22-24, Wilmington, DE
2008 RTD Fall Conference - September 24-25, Chicago, IL
2009 JRC - Pueblo CO, March 2009
2009 RTD Fall Conference - September 2009, Chicago, IL

2008 JOINT RAIL CONFERENCE

2008 Joint Rail Conference Schedule
Wilmington, Delaware
April 22-24, 2008

Registration

Make your plans now. Don't miss the **2008 Joint Rail Conference** in Wilmington DE. Register on-line Registration for the conference will be required if you wish to attend any of the technical sessions, luncheons, or tour of AMTRAK. See Conference Site <http://www.regonline.com/jrc08> or <http://www.asmeconferences.org/JRC08/> for hotel and conference registration.

The conference hotel is:

[DoubleTree Hotel](#)
700 North King Street
Wilmington, DE 19801
302-655-0400

Group Rate: **\$119**

Ask for ASME Joint Rail Conference rate

Reservations must be made **before March 21, 2008**.

Website: <http://doubletree.hilton.com/en/dt/hotels/index.jhtml?ctyhocn=ILGDTDT>

Ask for ASME Joint Rail Conference Rate using Code ASM

DRAFT SCHEDULE

(Check printed program at conference to confirm)

APRIL 21, 2008 - Monday	
2:00 - 3:30 pm	RTD Executive Committee Meeting
2:00 - 3:30 pm	IEEE Committee Meeting
3:45 - 4:15 pm	Joint IEEE/RTD/ASCE Committee Meeting
4:30 - 6:00 pm	ASCE Committee Meeting

4:30 - 6:00 pm	RTD General Committee Meeting
APRIL 22, 2008 - Tuesday	
7:00 am	AMTRAK TOUR BY RESERVATION - Bus leaves hotel, spouses invited (Bear & Wilmington shops)-
12:40 pm	RETURN - Approximate bus arrival back at hotel
1:30 – 2:30 pm	Session 2-1: Traction Power Systems Session 1-2: Air Brake System Eng. Issues
2:45– 4:30 pm	Session 1-1: Advances in Railway Components Session 1-3: Wheel Wear and Contact Issues
4:30– 4:45 pm	Refreshment Break
4:45 – 6:30 pm	Session 1-4: Railway Bearing Performance Session 1-12: Understanding & Modeling RR Dynamics
6:45 - 7:45 pm	Conference Social
APRIL 23, 2008 - Wednesday	
7:00 – 7:45 am	Author's Breakfast
8:00 – 9:30 am	Session 2-2: Train Monitoring and Control
9:30 – 9:45 am	Refreshment Break
9:45– 11:15 am	Session 1-7: Track Related Topics I Session 1-8: Panel Discussion on Nadal's Limit
11:15– 2:15 pm	CONFERENCE RECEPTION & LUNCHEON
2:30 – 4:00 pm	Session 1-9: Track Related Topics II Session 1-10: Progress in Crashworthiness
4:15 – 6:15 pm	Session 1-5: Developments in Passenger Cars Session 2-3: Developments in Locomotives
APRIL 24, 2008 - Thursday	
7:00 – 7:30 am	Author's Breakfast
7:45 – 9:15 am	Session 1-13: Track Related Topics III Session 2-4: Energy Efficiency & Power Demand Management.
9:30 – 11:30 am	Session 1-6: Computer Modeling & Sys. Engrg. to Improve Rys. Session 1-11: Progress in Tank Car Development

REGISTRATION DESK HOURS		TABLE TOP EXHIBITS	
Monday:	5:30 pm – 6:30 pm	Tuesday:	12:00 pm – 7:00 pm
Tuesday:	12:45 pm – 4:00 pm	Wednesday:	7:00 am – 6:00 pm
Wednesday:	7:30 am – 11:00 am 2:15 pm – 4:00 pm	Thursday:	7:00 am – 12:00 pm

2008 Joint Rail Conference Luncheon Speaker



Mr. Rudy Vazquez, Senior Director, High Speed Rail Maintenance Overhaul Engineering, AMTRAK Mechanical Department will be the luncheon speaker at the 2008 ASME/IEEE/ASCE Joint Rail Conference. He will discuss the multi-faceted challenges of locomotive maintenance.

Rudy's railroad industry career has encompassed thirty years of managerial expertise. Prior to joining Amtrak his positions have included EMD District Service Engineer on National (AMTRAK, NJT, MARC, SEPTA, MBTA and Metrolink) and International Passenger Rail Roads (GO Transit, VIA Rail and BC Transit in Canada, SNCF in Morocco, SATS in South Africa and Irish Rail in Ireland) and Deputy General Manager of Equipment Analysis and Test for the Long Island RR Maintenance of Equipment Fleet Engineering Department.

Academic achievements by Mr. Vazquez include: 2003 Graduate Certificate, Intermodal Transportation, Dowling College, 1993 MBA, Wilmington College, 1981 BSEET, University of Dayton, 1981 General Motors Engineering Cooperative Education Graduate. His memberships include: Institute of Electrical, Electronic Engineers (IEEE) since 1978, The American Society of Mechanical Engineers (ASME) since 2003 and Locomotive Maintenance Officers Association (LMOA).

Amtrak Facility Tour

The 2008 JRC will include a tour of two Amtrak shop facilities. The National Railroad Passenger Corporation (better known as Amtrak) is a for-profit corporation that operates intercity passenger rail services in 46 States and the District of Columbia, in addition to serving as a contractor in various capacities for several commuter rail agencies. Amtrak was created by Congress in the Rail Passenger Service Act of 1970 and incorporated in the District of Columbia in 1971, assuming the common carrier obligations of the private railroads (which found passenger service to be generally unprofitable) in exchange for the right to priority access of their tracks for incremental cost.

The Amtrak Wilmington Locomotive Shop services the entire Northeast Corridor, and is the most active of the Amtrak shops. Here they rebuild electric traction motors and some diesels. The diesel work consists mostly of switchers and work train motive power, as well as wheel and axle assembly.

The Bear Shop has responsibility for the progressive maintenance work on passenger cars.

Exhibit Opportunity - Table-Top Display

What better way to promote your company name and products or services to the Railroad Community than to sponsor a table-top exhibit at the 2008 Joint Rail Conference. Six tables, each six-ft long, are available at **\$500** per table or **\$300** per half-table. Electrical hook-up, if needed, is an additional \$25. For more information contact: **Michel Thomet** at mthomet@bechtel.com

Track 1 Mechanical & Civil Engineering Papers (Track)**1-1 Advances in Railway Components** (Technical)Session Organizer: **David Warner**, dcwarner@drpa.org

- Effect of Bolt Tensile Strength and Loading Conditions on a 7/8" Bolt Within an end-of-Car Arrangement
- *Andrew Smyth*
- Composite Coil Spring Development and Testing
- *Thomas Bergtrberg@sbcglobal.net*
- Forging and Heat Treating Process Upgrades for a Wrought Railroad Wheel Manufacturing Facility
- *Cameron Lonsdale*
- Loss of Preload in Threaded Fasteners With or Without Rotation
- *Robert May*

1-2 Air Brake System Engineering Issues (Technical)Session Organizer: **Greg Gagarin**

- Brake Rigging Analysis and the Development of Link Brake Stabilizers
- *Jerry Malachowski*
- Implementation of ECP – Benefits, Migration Path and Economics
- *Tom Engle*

1-3 Wheel Wear and Contact Issues (Technical)Session Organizer: **Daniel Magnus**

- Predicting Railway Wheel Wear Starting From Multi-Body Analysis: A Preliminary Study
- *Nicola Tassinin*
- Concept and Design for an Ultrasonic Sensor for Monitoring Wheel Flange Contact
- *Roger Lewis*
- On-Line Measurement of Wheel Rail Contact Using an Ultrasonic Array
- *Roger Lewis*
- Investigating Friction Modification and Potential Wear Reduction in the Railroad Wheel to Rail Contact
- *Dan Blasko*

1-4 Railway Bearing Performance (Technical)Session Organizer: **David Toth**, dave.toth@timken.com

- Predicting Railway Tapered Roller Bearing Life Using Measured Residual Stress and Retained Austenite Data
- *Brent M. Wilson*
- Correlation of Ultrasonic Inspection of Bearing Components with Bearing Fatigue Life
- *Joseph A. Turner*

Some New Correlations Between Wheel Tread Defects and Their Potential Effects on Wheel Bearing Performance

- *Harold Harrison*

- A Metallurgical and Experimental Investigation into Sources of Warm Bearing Trending

- *Constantine M. Tarawneh*

1-5 Developments in Passenger Cars and Locomotives (Technical)

Session Organizer: **George Binns**

- 2007-2008 Report of Survey Committee, Progress in Passenger Rail Vehicle and Component Engineering
- *Kenneth Hesser*
- Influence of Passenger Car Suspension System Design on Carbody Roll and Wheel Unloading on Curves at Unbalance Speeds
- *Philip Strong*
- Modular Design with Multiple Gen-sets Significantly Improves Locomotive Economics and Emissions
- *James Pike*

1-5 Use of Computer Modeling and Systems Engineering to Improve Railways (Technical)

Session Organizer: **Jeffrey Gordon**

- Evaluating Different Railway Wagon Alternatives for Timber Transportation by Discrete Event Simulation
- *Juha Saranenjuha*
- Real-Time Estimation of Temporal Word Boundaries Without Linguistic Knowledge
- *Parham Shahidi@vt.edu*
- Design of an Intelligent Remote Monitoring and Control of Bangladesh Railway Transport System Using Information and Communication Technologies (ICTs)
- *Md. Abdullah Al Harun Khan Chowdhury*

1-7 Track Related Topics I (Technical)

Session Organizer: **J. Riley Edwards**

- Twenty-Five Years of Track Geotechnology Research
- *Steve Chrismer*
- The Effect of Friction Modifiers on Wheel/Rail Isolation
- *Roger Lewis*
- Measurement of Vertical Track Modulus - Field Testing, Repeatability, and Effects of Track Geometry
- *Shane Farritor*
- In-Situ Test Measurement Techniques Within Railway Track Structures
- *Justin S. Anderson*

1-8 Panel Discussion - Nadal's Limit (Panel)

Session Organizer: **Todd Snyder**

- Nadal's Limit - Important Issues
- *Brian Marquis*
-

The Boundary of Nadal's Limit (L/V ratio) and Commencing Wheel Derailment for Railroad Truck
- *Jack Huang*

- Wheel Climb Derailments and Nadal's Limit
- *Yan LiuYan*
- Nadal's Limit
- *Nicholas Wilson*

1-9 Track Related Topics II (Technical)

Session Organizer: **Steve Chrismer**, schrismer@ltk.com

- Microsimulation Analysis of Highway-Rail Grade Crossings: A Case Study in Lincoln, Nebraska
- *Justice Appiah*
- New Composite Rail Cross Tie Provides Lifecycle and Environmental Benefits
- *James Pike*
- Development of Automated Grade Crossing Survey System and Classification Methodology to Increase Grade Crossing Safety
- *Pindar Van Arman*

1-10 Progress in Crashworthiness (Technical)

Session Organizer: **Allen Bieber**

- Quasi-Static and Dynamic Sled Testing of Prototype Commuter Rail Passenger Seats
- *Kristine Severson*
- Post Test Review of a Single Car Test of Multi-Level Passenger Equipment
- *Michelle Priante*
- A Safe Train State of Mind
- *Radovan Sarunac*
- The Influence of Manufacturing Variations on a Crash Energy Management System
- *Philip Mallon*

1-11 Progress in Tank Car Development (Technical)

Session Organizer: **Christopher Barkan**

- Risk-Based Tank Car Safety Design Optimization for Environmentally Sensitive Chemicals (ESC)
- *Rapik Saat*
- Engineering & Design Analysis for the Next-Generation Rail Tank Car Project
- *Robert Toms*
- Analysis of Railroad Tank Car Shell Impacts Using Finite Element Method
- *David Jeong*
- Update on Ongoing Tank Car Crashworthiness Research: Predicted Performance And Fabrication Approach
Michael Carolan

1-12 Understanding and Modeling Railroad Dynamics (Technical)

Session Organizer: **Daniel Peltier**

Constraint on Angle of Attack during Curving of Rail Road Truck

- *Jack Huang*

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Dynamic Interactions in a Pitch Plane Railway Vehicle-Track Model Due To Single and Multiple Wheel Flats

Md. Rajib Ul Alam

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Three-Piece Half-Truck Multibody Dynamics Models for Freight Train Suspensions

- *Corina Sandu*

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Health Prognosis of a Train Wheelset

- *Muhammad Hajj*

1-13 Track Related Topics III (Technical)

Session Organizer: **David Jeong**

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A Hybrid Logistic Regression/Neural Network Model for the Prediction of Broken Rails

- *Darwin Schafer*

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Machine Vision Inspection of Railroad Track

- *Steven Sawadisav*

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Ultrasonic monitoring of longitudinal rail stress

- *Joseph A. Turner*

Track 2 Electrical Engineering Papers (Track)

2-1 Traction Power Systems (Technical)

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Track-to-Earth Potentials and Stray Current Monitoring on Portland TriMet MAX Light Rail System

- *Kinh Pham*

•

Electrical Transients Analysis for Conductor Rail Gaps of Taipei Rapid Transit System

- *Wen-Lin Shih*

2-2 Train Monitoring and Control (Technical)

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Performance Study of Wireless Standard Protocols for Railroads

- *Hamid Sharif*

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Increase of Efficiency in Wireless Train Control Systems (ETCS Level 2) by the Use of Actual Packet-Oriented Transmission Concepts

- *Simon F. Ruesche*

•

Rail Car Tracking Device Selection and Power Consumption

- *Robert Gray*

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Multifunctional Sensor-Based Monitoring System for Identifying Vehicle Characteristics

- *Nikoloz Mgebrishvili*

2-3 Vehicle Design and Operation (Technical)

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The TRAXX Platform: A New Way to Build Electric and Diesel Locomotives

- *Janis Vitins*

- Guide to Using the New Generation of IEEE Standards for Railcar Procurements
- *James Dietzjietz@ieee.org*
- Review Of Current Maintenance Practices Used On Commuter & Passenger Rail Cars
- *Lamont Ward*
- Root Cause Analysis Method Applied to Passenger Train Side Doors
- *Andrea B. Bear*
- Dual Mode Locomotives - A Systems Study Of New Freight Locomotives For Sweden
- *Mattias Skoglund*

2-4 Energy Efficiency and Power Demand Management (Technical)

- Analysis of Energy Dissipation in an Electric Transit System
- *Martyn Chymera*
- Design of Optimal Coasting Speed for Mass Rapid Transit Systems by Considering Social Cost
- *Hui-jen Chuang*
- Supercapacitors On-Board Light Rail Vehicles: Enhanced Energy Storage Systems for Improved Vehicle Efficiency
- *Ricardo Barrero*

V. TERREY HAWTHORNE MEMORIAL SCHOLARSHIP FUND

The Rail Transportation Division has awarded one or two scholarships in past years. In 2007, ASME established an ASME/Virginia Tech Memorial Scholarship Fund for Virginia Tech students as a memorial to the shooting tragedy on that campus. ASME has seeded the fund with \$25,000, and asked the Divisions to contribute funds.

In sympathy with the ASME request and in recognition of the schools with AAR affiliated research work for the railroad industry, the RTD Executive Committee decided it would be fitting for RTD to contribute \$1500 to Virginia Tech, \$1000 to University of Illinois and \$1000 to Texas A&M. The money is specified to be used for student involvement in railroad research programs and/or student attendance and papers presentation at RTD conferences. This action was taken in lieu of scholarship awards for 2007.

CALL FOR PAPERS 2008 JOINT RAIL CONFERENCE

2008 Joint Rail Conference

September 24-25, 2008

Chicago, IL

Call For Papers

The second annual ASME Rail Transportation Division Fall Technical Conference will be held in Chicago, IL, on Wednesday and Thursday, September 24-25, 2008. Chicago has a long and storied history as the primary railroad gateway in North America and therefore serves as an ideal location for a gathering of rail industry technical professionals. The ASME RTD 2008 Fall Technical Conference will be held after the 2008 Coordinated Mechanical Associations Technical Conference, which will take place September 21-24, 2008. This allows for busy rail industry engineering professionals to attend two of the premier rail industry technical conferences during the same week, thereby saving on travel costs, and most importantly in today's busy world, precious time.

You are invited to submit technical papers for presentation and discussion at the 2008 ASME RTD Fall Technical Conference. Papers are solicited from members of the railway supply industry, rail transportation companies and 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:

- Vehicle Dynamics
- Track and Equipment Health Monitoring
- Passenger Equipment Crashworthiness
- Innovations in Tank Cars
- Locomotive and Freight Car Improvements
- ECP Brakes
- New or Improved Mechanical Components
- Improvements in Analysis and Testing Methods
- Heavy Axle Load Performance Issues
- System Safety and Emergency Preparedness
- Communications-Based Train Control
- Infrastructure and Capacity Enhancements

Abstracts are due **May 5, 2008**. 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 **David Tyrell** at tyrell@volpe.dot.gov

HISTORY OF RAIL TRANSPORTATION DIVISION CHAIRS

1920's

1920 -21 Edwin B. Katte, Chief Engineer - Electric Traction, New York Central Railroad

1921 -22 Edwin B. Katte, Chief Engineer - Electric Traction, New York Central Railroad

1922 -23 Edwin B. Katte, Chief Engineer - Electric Traction, New York Central Railroad

1923-24 James Partington, Manager of Engineering, American Locomotive Company

1924-25 James Partington, Manager of Engineering, American Locomotive Company

1925-26 Charles E. Chambers, Superintendent Motive Power, Central Railroad of New Jersey

1926-27 Henry B. Oatley, Chief Engineer, Superheater Company of America

1927-28 Henry B. Oatley, Chief Engineer, Superheater Company of America

1928-29 William Elmer, Special Engineer, Pennsylvania Railroad

1929-30 R.S. McConnell, Assistant to Chief Engineer, Baldwin Locomotive Works

1930's

1930-31 A. R. Steubins, Vice President, Bradford Corp.

1931-32 Eliot Sumner, Assistant to Gen. Supt. MP, Pennsylvania Railroad

1932-33 Thomas C. McBride, Consulting Engineer, Worthington Pump & Machinery Co.

1933-34 Lewis K. Sillcox, Vice President, New York Air Brake Company

1934-35 C.B. Peck, Managing Editor, Railway Mechanical Engineering

1935-36 C.E. Barba, Mechanical Engineer, Boston & Maine Railroad

1936-37 G.W. Rink, Assistant Supt. MP, Central Railroad of New Jersey

1937-38 William H. Winterrowd, Chief Mechanical Engineer, Canadian Pacific Railway

1938-39 E.C. Schmidt, Assistant to President, Union Pacific Railroad

1939-40 C.T. Ripley, Chief Mechanical Engineer, Atchison Topeka & Santa Fe Railway

1940's

1940-41 Lawford H. Fry, Director of Research, Locomotive Research Institute

1941-42 A. I. Lipetz, Consulting Engineer, American Locomotive Company

1942-43 D.S. Ellis, Chief Mechanical Officer, Chesapeake & Ohio Railway Company

1943-44 J.R. Jackson, Engineer of Tests, Missouri Pacific Railroad

1944-45 J.G. Adair, Mechanical Engineer, I.C.C. Bureau of Locomotive Inspection

1945-46 W.M. Sheenan, Vice President, General Steel Castings Corp.

1946-47 Karl F. Nystrom, Chief Mechanical Officer, Chicago, Milwaukee, St. Paul & Pacific Railroad

1947-48 Walter C. Sanders, General Manager Railroad Sales, The Timken Company

1948-49 Paul W. Kiefer, Chief Engineer – MP & RS, New York Central Railroad

1949-50 B.S. Cain, Assistant to Chief Engineer, General Electric Company

1950's

1950-51 K.A. Browne, Manager Research, Chesapeake & Ohio Railway Company

1951-52 C.E. Pond, Assistant to Supt. MP, Norfolk & Western Railway

1952-53 C.B. Bryant, Chief Engineer, The Technical Board, Wrought Steel Wheel Manufacturers

1953-54 G.W. Bohannon, Vice President, The Pullman Company

1954-55 E.M. VanWinkle, Vice President, American Steel Foundries

1955-56 C.K. Steins, Mechanical Engineer, Pennsylvania Railroad

1956-57 T.F. Perkinson, Manager Erie Works, General Electric Company

1957-58 F.K. Mitchell, Assistant Vice President, New York Central Railroad

1958-59 F.L. Murphy, Vice President, Pullman-Standard Car Manufacturing Company

1959-60 Bruce Gunnell, Engineer of Tests, Southern Railway Company

1960's

1960-61 R.L. Wilson, Vice President Engineering, American Brake Shoe Company

1961-62 William M. Keller, Vice President, Association of American Railroads

1962-63 Eric Wynne, Vice President Great Lakes Region, Canadian National Railway

1963-64 Carl E. Tack, Vice President Engineering, American Steel Foundries

1964-65 P.V. Garin, Manager Mechanical Engineering & Research, Southern Pacific Railroad

1965-66 K.L. Selby, President, National Malleable & Steel Castings Company

1966-67 J.W. Cooke, Assistant Vice President Sales, General Steel

1967-68 L.S. McGregor, Chief Motive Power & Car Equipment, CNR

1968-69 D.W. Odiorne, District Manager - Chicago, Edgewater Steel Company

1969-70 Sergei G. Guins, Assistant Director of Research, Chesapeake and Ohio Railway Company

1970's

1970-71 Emil Kondra, President, Ellcon National

1971-72 L. Stanley Crane, Executive Vice President, Southern Railway Company

1972-73 M.A. Hanson, Vice President Engineering, Magnus Metals, Inc.

1973-74 F.G. Fisher, Vice President, Reading Company

1974-75 E.C. Appleby, Mechanical Engineer, Westinghouse Electric Company

1975-76 Robert W. Radford, Chief Mechanical & Electrical Engineer, Canadian National

1976-77 Norman E. Bateson, Director R&D, Pullman Standard Car Manufacturing Company

1977-78 Robert Byrne, Chief Mechanical Officer, Southern Pacific Company

1978-79 William H. Chidley, President, American Iron & Steel Institute

1979-80 Leonard A. McLean, Chief Equipment Engineer, Seaboard Coastline Railroad

1980's

1980-81 David G. Blaine, Sr. Marketing Representative, WABCO

1981-82 Mark F. Hengel, Mechanical Engineer, Missouri Pacific Railroad

1982-83 Harry M. Jones, Chief Engineer, The Timken Company

1983-84 Rene Brodeur, Director Engineering & Research, Trailer Train Company

1984-85 Bernie J. Eck, Director Product Engineering, Griffin Wheel Company

1985-86 R.H. Carman, Manager Equipment Research Engineering, Southern Railway Company

1986-87 Joseph P. VanOverveen, Mechanical Engineer, Bay Area Rapid Transit

1987-88 Norman A. Berg, President, American Steel Foundries

1988-89 V. Terrey Hawthorne, Vice President Product Engineering, American Steel Foundries

1989-90 Thomas E. Schofield, President, Schofield Associates

1990's

1990-91 Ormond R. Pendy, Asst. Vice President Operations, Trailer Train Company

1991-92 Fred W. Schulze, Design Engineer, General Electric Company

1992-93 Thomas S. Larson, Director Operations Planning, CSX Transportation Company

1993-94 Donald E. Palmer, Manager Field Engineering, New York Air Brake Company

1994-95 Keith Hawthorne, Asst. Vice President, The Association of American Railroads

1995-96 Robert H. Cantwell, Jr., President, Hadady Corp.

1996-97 Ronald W. Dettmer, Manager, Facility Planning & Development, CSX

1997-98 Robert B. Love, District Sales Manager – St. Louis, American Steel Foundries

1998-99 Daniel H. Stone, Engineering Director, Transportation Technology Center, Inc.

1999-00 George Barker, Consultant

2000's

2000-01 Eric Wolf, Vice President Engineering, Freight Car Technology, ABC-NACO

2001-02 John D. Oliver, Manager Product Engineering, Griffin Wheel Company

2002-03 John Punwani, Program Manager, Office of Research and Development, Federal Railroad Administration, U.S. Department of Transportation

2003-04 Al Bieber, Senior Locomotive Specialist, STV

2004-05 Dave Cackovic, Chief – Technical Standards, Transportation Technology Center, Inc.

2005-06 Gary Wagner, Vice President Sales & Marketing, Hadady Corp.

2006-07 Roger Sims, Sims Professional Engineers

2007-08 Nick Darien, Sr. Principal/Product Manager, CTL Group, Construction Technology Laboratories, Inc

ASME RAIL TRANSPORTATION DIVISION : EXECUTIVE COMMITTEE

July 1, 2007 - June 30, 2008

CHAIR

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CHAIR PUBLICITY RR-8 & CHAIR ANNUAL LUNCHEON

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