

**THE AMERICAN SOCIETY OF MECHANICAL
ENGINEERS
AND
THE INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS**

Invite you to our monthly luncheon meeting.

- SPEAKER:** Mr. Mark Evans
Southeast Regional Marketing Director for Siemens
Transportation Systems
- TOPIC:** **Light Rail Applications and the Future of New Starts**
- PLACE:** TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)
- DATE/TIME:** **Wednesday, January 19, 2000, 11:30 a.m.**
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349
LOU SANDERS 202-898-4086

[It is important that your reservation is called in by 4 pm on Friday, January 14, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Mark Evans is the Southeast Regional Marketing Director for Siemens Transportation Systems.

Mr. Evans will present an overview of the public's acceptance of new light rail systems operating in San Diego, Portland, Denver, and other U.S. cities as a means of alleviating traffic congestion in those metropolitan areas. Also addressed will be the positive influence light rail systems will have on the growth issues being faced by cities today. Mr. Evans will also discuss the possibilities of new starts of rail systems in metropolitan areas not currently being served by heavy or light rail transit.

The February meeting will be on Tuesday, February 8, 2000 at TGI Fridays. Mr. Paul H. Reistrup, CSX Vice President, will speak on "Dispatching and Communication Planning for the Merged CSX/CONRAIL System." Our remaining meetings are scheduled for the second Tuesday of the month through June. Meetings will resume in September.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. Paul H. Reistrup
CSX Vice President for Passenger Service

TOPIC: Dispatching and Communications Planning for the
Merged CSX/CONRAIL System

PLACE: TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)

DATE/TIME: Tuesday, February 8, 2000, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202- 416 -1059
LANG NGUYEN 202- 493 - 6349

[It is important that your reservation is called in by 4 pm on Friday, February 4, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Reistrup is a graduate of the United States Military Academy at West Point, New York. He is currently the Vice President for Passenger Service for the CSX Transportation Company and is responsible for coordinating management issues with AMTRAK, MARC, NJ Transit, MBTA, Tri-County Commuter, and the Virginia Railway Express. Mr. Reistrup has been involved with railroad passenger service for many years and has previously been the Manager of Passenger Service for the Baltimore and Ohio Railroad and the Illinois Central Railroad, and has served as President of AMTRAK. In addition, Mr. Reistrup has been associated with several transportation consulting firms, R. L. Banks & Associates, Inc. and Parsons-Brinckerhoff, Quade and Douglas. This broad experience has provided an insight for understanding and dealing with the issues of passenger train managers providing service over the tracks of a railroad with a fundamental purpose of hauling freight.

In his presentation, Mr. Reistrup will discuss the operating problems associated with communications and dispatching being experienced by passenger service providers and some of the alternatives and solutions developed and being explored to resolve these issues.

The March meeting will be on Tuesday, March 14, at TGI Fridays. Our topic will be about the "Renaissance of Rail Transportation in Boston." Our remaining meetings are scheduled for the 2nd Tuesday of the month through June and will resume in September.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. Ed Tennyson, P.E. - Independent Consultant
TOPIC: Renaissance of Rail Transportation in Boston

PLACE: TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from GWU's Marvin Center)

DATE/TIME: Tuesday, March 14, 2000, 11:30 am
PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349

[It is important that your reservation is called in by 4 pm on Friday, March 10, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Ed Tennyson has a comprehensive background in transportation management and transportation planning. Ed holds a Bachelor of Science in Management Engineering degree and a Bachelor of Engineering in Management degree from Carnegie Institute of Technology. He has extensive experience in all areas of transportation from bus lines to commuter rail, from trolley lines to short lines, and from light rail to MetroRail. As a consultant, he has worked for transit systems in San Diego, Edmonton, Pennsylvania, and New Jersey. Ed has also spent time in the Boston area discussing technical and operational issues with the local transit agency.

In this presentation, Mr. Tennyson will discuss the revitalization of rail transit systems in Boston which have had an impressive resurgence in use. The primary thrust of the presentation will be an attempt to provide an understanding of the underlying causes of this resurgence. This includes political and public attitudes, physical expansion of the rail systems, commuter rail operations, and the role AMTRAK has played as the commuter rail system operator. The bottom line is that some significant lessons are there to be learned and possibly could be creatively applied to other areas of the country.

The April meeting will be on Tuesday, April 11, at TGI Fridays. Mr. Brad Luse, Senior Train Control & Signaling Engineer at Raytheon Engineers & Constructors, will speak on "The Evolution of WMATA's Metrorail Signal System." Our remaining meetings are scheduled for the 2nd Tuesday of the month through June and will resume in September.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. Brad Luse - Senior Train Control/Signals Engineer
for Raytheon Engineers & Constructors.

TOPIC: The Evolution of WMATA's Metrorail Signal System

PLACE: TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from GWU's Marvin Center)

DATE/TIME: Tuesday, April 11, 2000, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349

[It is important that your reservation is called in by 4 pm on Friday, April 7, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Brad Luse is currently a senior Train Control/Signals Engineer for Raytheon Engineers & Constructors and is working as a consultant to the Washington Metropolitan Area Transit Authority (WMATA). Mr. Luse has previously worked for the Union Switch & Signal, Inc. as a Field Engineer/Test Supervisor on WMATA and Baltimore Subway signaling projects and for WMATA on Train Control Construction and Maintenance projects.

In his presentation, Mr. Luse will discuss the evolution of the Metrorail signaling system, the introduction of new technology and equipment over the years, and how basic design concepts and standards established over 30 years ago have remained unchanged as the system has grown and matured.

Our May meeting will be on Tuesday, May 9, at TGI Fridays. Mr. George Blins, AMTRAK'S General Manager of Mechanical Standards and Compliance, will speak. Our last meeting for this year is scheduled for June 13, 2000, the second Tuesday in June. Meetings will resume in September. See reverse side of this notice for questions regarding next years meetings.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. George Binns, P.E. - General Manager of
Mechanical Standards and Compliance for AMTRAK

TOPIC: Passenger Vehicle Crash Worthiness

PLACE: TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from GWU's Marvin Center)

DATE/TIME: Tuesday, May 9, 2000, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-8849

[It is important that your reservation is called in by 4 pm on Friday, May 5, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. George Binns is currently General Manager of Mechanical Standards and Compliance for Amtrak. George is a graduate of the California State Polytechnic University majoring in mechanical engineering. Before joining Amtrak in 1992, George held management positions with Santa Fe Railway's Mechanical Engineering Department where he began his railway career in 1974. George was the Santa Fe's representative on the AAR Tank Car and Car Engineering Committees.

With the publication of CFR Part 238.400 Subpart E Tier II Passenger Equipment, the FRA has now codified the next generation of rail passenger vehicle crashworthiness features. The Amtrak ACELA trainsets will be the first production order of equipment that incorporates these features into revenue equipment. Efforts on the part of APTA have now resulted in a specification that includes the use of crash energy management in Tier I Vehicles. Mr. Binns' talk will discuss the implication of this new methodology on equipment design, as well problems encountered making production vehicles. He will discuss new research that is on the horizon, and problems that need to be addressed.

Our June meeting will be on Tuesday, June 13, at TGI Fridays. Mr. John Corbin will speak on "The Application of AC Traction Motors for Locomotives and Transit Vehicles." This will be our last meeting for the year. Meetings will resume in September. See reverse side of this notice for a request for input--topics, speakers, ideas, etc.--regarding next years meetings.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. John Corbin
President of TechniRail International

TOPIC: **THE APPLICATION OF AC TRACTION MOTORS FOR
LOCOMOTIVES AND TRANSIT VEHICLES**

PLACE: TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)

DATE/TIME: **TUESDAY, June 13, 2000, 11:30 am**

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349

[It is important that your reservation is called in by 4 pm on Friday, June 9, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Corbin graduated from Catholic University with an MS in Mechanical Engineering and Acoustics. John is currently president of TechniRail International and is responsible for management of a various programs for U. S. and foreign railways. John was our speaker on track geometry last December. We welcome John back as our speaker this month.

Mr. Corbin will discuss the worldwide introduction of AC traction motors to mainline and transit applications. This topic will include the technical characteristics that lead to the use of the AC traction motor and the economics involved in its acquisition, maintenance, and operational considerations whether the motors are powered from an on board engine-generator or from an off locomotive power source. Examples of current applications will provide an overview of these installations and the anticipated future development of AC traction.

This will be our last meeting of the year. We wish everyone a great summer and hope to see you next fall. Our first meeting of the 2000/2001 year will be September 12, 2000 at the usual time with location to be determined.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. Richard L. Beadles
Executive Director of the Virginia High Speed Rail
Development Committee (VHSRDC)

TOPIC: **VIRGINIA HIGH-SPEED RAIL DEVELOPMENT**

PLACE: TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)

DATE/TIME: **TUESDAY, September 12, 2000, 11:30 am**

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, September 8, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Richard L. (Dick) Beadles has had a career in transportation, urban development and real estate advisory services. Mr. Beadles was for many years associated with the RF&P Railroad Co. and served as president from 1985-86, prior to accepting a position in 1986 as President of CSX Realty, the real estate management and development unit of CSX Corporation; he retired from this organization in 1992. From 1992 to 1999, Mr. Beadles was associated with the MGT Realty Advisors, Inc., a real estate advisory firm, providing a variety of services, including planning and execution of real estate asset management and development strategies. In 1997, Mr. Beadles helped organize the Virginia High Speed Rail Development Committee (VHSRDC).

Mr. Beadles sees the VHSRDC mission as essential for future economic development and livability in the Mid-Atlantic and Southeast. Linking downstate Virginia urban regions with Northern Virginia, Washington, D.C., and the Northeast Corridor is a primary focus. The VHSRDC is a nonprofit group of business, professional, and community leaders who have joined to promote public policy and public infrastructure investment which will result in the linkage of our urban areas with high performance ground transportation systems. This includes HIGH SPEED RAIL, **fully integrated with all other modes of transportation**, including modern and expansive urban public transit, airports, etc. The presentation will address the highlights of these concepts.

Welcome back from a great summer. Our October meeting will be on Tuesday, October 10, 2000, at TGI Fridays. Mr. Bill Petit, Vice President of Technology at Safran Systems, will speak on highway rail interface design and development. This should be a most interesting follow-on to this month's meeting on hi-speed rail. See additional meeting notes on the next page.

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SPEAKER: Mr. Bill Petit
Vice Prersident for Technology at Safetran Systems,
Rochester, New York

TOPIC: ITS Highway/Railway Interface Design Standards

PLACE: TGI Friday's
2100 Pennsylvania Avenue, N
Washington, D.C.
(Across the street from the Ma

SAFETRAN

DATE/TIME: TUESDAY, October 10, 200

William A. Petit, P.E.

F.I.R.S.E.
Vice President Technology

PRICE: \$15.00 CASH AT THE DOOR

17 Hawthorne Drive Spencerport, NY 14559

Tel: (716) 349-2305 Fax: (716) 349-2306

Mobile: (716) 230-6988

bill.petit@ieee.org

Firm of assessed capability ISO9001

RESERVATIONS: BRAD LUSE
LANG NGUYEN

BTR Rail

202-493-6349

[Make your reservation by 4 pm on Friday, October 6, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Bill Petit earned his BSEE degree from Clarkson University and an MSEE degree from the Rochester Institute of Technology. He also received an MS degree in Software Development from the Rochester Institute of Technology. Bill is a Senior Member of the IEEE, a Fellow of the Institute of Railway and Signal Engineers, and a registered Professional Engineer. He has been with Safetran Systems since 1995 and was previously with The General Railway Signal Company from 1973.

Bill is the chairman for the IEEE Committee developing design standards for the Highway/Railway Interface for the Intelligent Transportation System (ITS). This is the only interface between highway and railroad technology within the ITS. His presentation will present concepts being considered and the status of standards under development.

Our November meeting will be on Tuesday, November 14, 2000, at TGI Friday's. Mr. Bob Kolmar, Science Director of AMTRAK, will speak on the Incremental Train Control System (ITCS) installed between Kalamazoo and Springfield, Michigan. Mr. Kolmar's presentation will address lessons learned on this trial installation. The ITCS has been designed to accommodate travel speeds of 30 to 110 mph. Mark your calender for an interesting meeting on another aspect of hi-speed rail.

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Invite you to our monthly luncheon meeting.

SPEAKER: Mr. Bob Kollmar
Senior Director, Operations & Construction Midwest
Regional Rail System- Amtrak
**TOPIC: Test Results of the Incremental Train
Control System (ITCS) installed between
Kalamazoo and Springfield, Michigan**

PLACE: TGI Friday's
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)

DATE/TIME: **TUESDAY, November 14, 2000, 11:30 am**

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, November 10, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Kollmar is a graduate civil engineer and has been involved with the railroad industry for almost 25 years. Bob began his career in Engineering/Maintenance of Way on Conrail's Mohawk-Hudson and Allegheny Divisions. He continued in Conrail's engineering department in Philadelphia, focusing on the project management of major track and signal projects. Bob served in the railroad consulting industry for 10 years before being asked to join Amtrak in 1991 as Special Assistant to the Vice President of Engineering and Mechanical.

Mr. Kollmar is currently serving as the Program Director of the Michigan High-Speed Positive Train Control Project. This project is the only one of its type in the Western Hemisphere in revenue service. Bob will give us an update on project status and lessons learned on this trial installation. The ITCS has been installed between Kalamazoo and Springfield, Michigan and is designed to accommodate travel speeds of up to 110 mph.

Our December meeting will be on Tuesday, December 12, 2000, at TGI Friday's. Mr. Robert J. McCown, P.E., Director of Technology Development for the Federal Railway Administration (FRA), will speak on the FRA/Bombardier Corp. Public-Private Partnership Program to develop a high-speed locomotive utilizing turbine technology. This locomotive is being developed for high-speed rail routes that are not electrified.

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- SPEAKER:** Mr. Robert J. McCown, P.E.
Director of Technology Development High-Speed Rail
Federal Railroad Administration (FRA)
- TOPIC:** **FRA/Bombardier Corp. Public/Private Development of
a High-Speed 150 mph Locomotive Powered by a
5000 HP Turbine**
- PLACE:** TGI Friday's
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)
- DATE/TIME:** **TUESDAY, December 12, 2000, 11:30 am**
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** BRAD LUSE 202-416-1059
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, December 8, 2000]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. McCown manages the Next Generation High-Speed Rail Program (NGHSR) within the Office of Rail Development. The NGHSR is developing and demonstrating technologies to permit states and their partners to implement incrementally-upgraded high-speed rail passenger services. A high-speed turbine powered locomotive offers the potential to accomplish that objective on non electrified railroads.

Mr. McCown is a native of Ohio, a graduate of Cleveland State University with a BS in Industrial Engineering and is a registered professional engineer in the State of Maryland. Following his graduation from CSU, he worked as a production engineer at the Department of Defense, Research Program Manager for the Urban Mass Transportation Administration, for the FRA, Ensco Inc., and as a private consultant.

We were saddened to learn of the death of Ted Gordon on October 31, 2000. Ted was an active and long time member of the IEEE and LTC. His strong support of our organization will be missed. Our prayers and thoughts are with Ted's family.

Our January meeting will be on Tuesday, January 9, 2001, at TGI Friday's. Mr. Jean-Pierre Ruiz, CEO of Talgo U.S., will speak on Talgo Operations in the United States. TRB registrants are invited to join us for this meeting. Until then, the officers of the LTC sincerely wish the best for the coming Holiday Season to each and every one of you.