

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

AND

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Cordially invites you to our monthly luncheon meeting

- SPEAKER:** ~~Ed Lombardi~~ *DAVID WARNER*
~~Director of Performance and Test~~
National Railroad Passenger Corporation..
- TOPIC:** ~~"The Talgo Train in the Pacific Northwest"~~
AMTRAK'S EXPRESS SERVICE.
- PLACE:** UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, February 9, 1999 - 11:30 a.m.
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS (202)898-4086
LANG NGUYEN (202) 493-6349

ABOUT THE SPEAKER AND THE SUBJECT:

Ed has served in many positions with Amtrak since joining them in 1975. He started as a locomotive engineer instructor and moved to the equipment engineering department for Chuck Englehardt. While working under this handicap, Ed was responsible for all of Amtrak's rolling stock tests. He oversaw the tests of the X2000 and ICE tests of Amtrak's Express car and RoadRailer fleet, and manages the construction of five Talgo trains for use in the West.

Overview of Talk

Amtrak presently uses two leased Talgo trains in the Vancouver-to-Eugene corridor. These trains operate much faster in the curves on the Seattle-Portland segment and eliminated a half-hour from the four-hour schedule. This fostered a modest travel growth and allowed for greater equipment utilization.

In 1996 Amtrak and the Washington State Department of Transportation jointly placed and order for three trains to be built in this country, Amtrak ordered two more, for a total of five. Four sets will be used in the Pacific Northwest and one on a proposed Los Angeles to Las Vegas route.

This talk will discuss the new trainsets, their Americanization and the tests proceeding operation at high curving speeds.

Note: The January 12, 1999 meeting has been cancelled

The next meeting will held on Tuesday, March 9, 1999

[Http://ewh.ieee.org/r2/capitalarea](http://ewh.ieee.org/r2/capitalarea)

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SPEAKER: Mr. Greg Gagarin
Retired President of Knorr Brake Corporation

TOPIC: Development of Railroad Brake Systems

PLACE: University Club, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, March 9, 1999

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 898-4086
LANG NGUYEN (202) 493-6349

ABOUT THE SPEAKER AND THE SUBJECT:

Greg graduated from the Mass. Institute of Technology in 1943 and continued with graduate studies at the University of Pennsylvania after World War II. During the war, he served with the U. S. Navy from 1943 to 1946. His navy career involved work with the Lend Lease Program to the U.S.S.R. Navy. After the war, Greg worked with several companies involved with railway equipment manufacturing until 1974. He became president of the Knorr Brake Corporation in 1974 when it was established as a wholly owned subsidiary of the German company Knorr Bremsen. Greg retired in 1988 and is now a consultant for Knorr Brake and for other companies regarding international railway matters.

Greg's presentation will review the development of railway braking system design and its application to the trains of today as well as possible future developments.

The next meeting is scheduled for April 13, 1999.

For latest program information, check the IEEE National Capital Area Council (NCAC) Web Site:
ewh.ieee.org/r2/capitalarea

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SPEAKER: Stephan Parker
Senior Associate
National Transit Institute (NTI)

TOPIC: "An overview of NTI's activities in the transit training arena"

PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, April 13, 1999 - 11:30 a.m.

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202)898-4086
LANG NGUYEN (202) 493-6349

ABOUT THE SPEAKER AND THE SUBJECT:

Stephan Parker, Senior Associate, National Transit Institute, Rutgers- The State University of New Jersey, Graduate of Northwestern University with graduate degree from Vanderbilt University. Stephan is responsible for NTI's workplace safety and manages the NTI fellows program.

Stephan will provide an overview of NTI's activities in the transit training arena and focus on the major programs for which he is responsible. NTI is a federally funded activity devoted to providing educational opportunities to the transit industry.

Note: The next meeting will held on Tuesday, May 11, 1999

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SPEAKER: Mr. Dwight Prall
Area Business Manager for AAI Transportation Systems

TOPIC: **A Conversion from Defense Products to
Transportation Equipment**

PLACE: University Club, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, May 11, 1999; 11:30 AM

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 898-4086
JOHN GAMBRILL (703) 971-4150

ABOUT THE SPEAKER AND THE SUBJECT:

Dwight will provide an overview of the experiences of a U.S. Company as it successfully converted from a military producer to products for the American transportation market after the Cold War.

Dwight Prall is an area business manager for AAI Transportation Systems in Hunt Valley, Maryland. He was AAI's proposal manager for the Comet II overhaul project for New Jersey Transit and the 5000 series transit car project for WMATA. He has served as program manager for start-up activities for AAI and its Spanish partner, CAF, for the production of the 5000 series WMATA transit cars. Previously, he managed the car shell production activities for Baltimore's Central Light Rail Project and coordinated the establishment of a west coast car shell manufacturing facility. Dwight is proposal manager for the current Baltimore METRO overhaul procurement. His 25 years of experience in manufacturing and marketing includes operations management, strategic business planning, risk assessment, cost/schedule control, producibility planning, value engineering, program management, and new business development.

New business for discussion at the May meeting will be the nomination of officers for the year 1999/2000 with election at the June meeting. Positions to be filled are Chairman, Vice-Chairman, Secretary/Treasurer, and Newsletter Editor. Names submitted should have the concurrence of the person nominated. For information or questions regarding the election, call either John Gambrill or Lou Sanders at the above telephone numbers.

Next meeting is scheduled for June 8, 1999.

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SPEAKER: Mr. Nicholas M. Brand
Rail Systems Development Project Manager for
SYSTRA Consulting USA

TOPIC: **Challenges of Rail Transit in the Far East**

PLACE: University Club, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, June 8, 1999, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 898-4086
LANG NGUYEN (202) 493-6349

[Please call in your reservation prior to 4 pm on Friday, June 4, 1999]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Brand has 20 years of experience with rail passenger service planning and operations. He has provided guidance to companies and transportation agencies on the interfaces between marketing, scheduling, and operational aspects of high-speed rail service--including Amtrak's Northeast Corridor--and local transit systems within the United States. Currently, Mr. Brand is working on the development of a statewide rail service plan for the State of Georgia and the Metropolitan Atlanta area.

Mr. Brand will provide a firsthand report on the Republic of China's (Taiwan) high-speed rail system and Manila's new light rail system. This report is based on a recent assignment of one year in the far east where he assisted in the integration of the engineering and operational aspects of the Taiwan High-Speed Rail Corporation's rail system and also participated in the development of feasibility studies for the Manila light rail system.

Election of officers will be held at the June meeting. Individuals willing to serve are as follows: Chairman, John Gambrill; Vice-Chairman, volunteer needed; Secretary/Treasurer, volunteer needed; and Newsletter Editor, Lang Nguyen. Nominations are open for all positions. Nominations submitted should have the concurrence of the person nominated. For information or questions regarding the election, call either John Gambrill (703-971-4150) or Lou Sanders (202-898-4086) .

The next meeting is on September 7, 1999, the second Tuesday of the month.

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SPEAKER: Mr. Harvey Glickenstein
Vice President of PB Transit and Rail Systems, Inc.

TOPIC: Transit in New Delhi

PLACE: TGI Fridays [Note change in meeting place]
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)

DATE/TIME: TUESDAY, September 14, 1999, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 398-4086
LANG NGUYEN (202) 493-6349

[It is important that your reservation is called in by 4 pm on Friday, Sept. 10, 1999]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Glickenstein has been associated with the rail transit industry for 37 years either working for various transit systems or as an engineering consultant. One of his recent projects was assisting in the development of the High Density Interlocking Nine Aspect Cab Signal System for Amtrak's Northeast Corridor project.

Mr. Glickenstein will provide a first-hand overview of the development of new transit systems within the metropolitan area of New Delhi India, which has an expanding population of over 10 million. Two systems are being planned with a combined length of 44 kilometers. The Metro Corridor (11 KM) is an underground, fully automated system with a rigid overhead catenary of 1,500 VDC. The Rail Corridor (33 KM) is a ~~conventional~~ rail system using an overhead distribution system at 25 kVAC, 50 Hz. Except for the power distribution systems, both systems will use identical car and propulsion system designs. Mr. Glickenstein will also address system design issues, such as track gauge, religious considerations in right-of-way acquisitions, electrical power distribution selection, signaling concepts, passenger handling techniques, and other considerations and compromises in bringing these systems to fruition.

The next meeting is on 20 October 1999, the third Wednesday of the month, at TGI Fridays. The meeting topic will be "Passenger Rail Equipment Safety Standards (PRESS)." Changed meeting date is due to a conflict with APTA's "International Public Transit Expo 99" convention scheduled for Orlando, Florida, the previous week (week of 11 October) and a previous commitment at TGI Fridays for the third Tuesday.

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- SPEAKER:** Mr. Tom Peacock
Director of Technical Services
American Public Transit Association
- TOPIC:** Development of Passenger Rail Equipment Safety
Standards (PRESS)
- PLACE:** TGI Fridays
2100 Pennsylvania Avenue, N.W.
Washington, D.C.
(Across the street from the Marvin Center)
- DATE/TIME:** Wednesday, October 20, 1999, 11:30 am
- PRICE:** \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 898-4086
JOHN GAMBRILL (703) 971-4150

[It is important that your reservation be called in by 4 pm on Friday, October 15, 1999]

ABOUT THE SPEAKER AND THE SUBJECT:

Passenger Rail Equipment Safety Standards (PRESS) is an industry standard sponsored activity designed to provide guidance on the design and production of passenger rail equipment.

Mr. Peacock earned his MS in Mechanical Engineering from the University of Maryland and an MS in Management of Technical Organizations from the John Hopkins University. He has had 20 years of service in naval weapons systems research, development, and program management and retired from the Federal Railway Administration (FRA) as the Director of the Motive Power and Equipment Division after 6 years with the FRA. He has served as a consultant to the American Public Transit Association (APTA) Passenger Rail Equipment Safety Standards Task Force to develop industry standards for rail passenger equipment and is currently the Director of Technical Services for APTA.

Our next meeting is on 9 November at TGI Fridays. Mr. Ed. Lombardi from AMTRAK will speak on "Testing of AMTRAK's High Speed Acela Trains." Our remaining meetings are scheduled for the 2nd Tuesday of the month except for the January meeting which will be on Jan. 19.

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SPEAKER: Mr. Ed. Lombardi
Director of Performance and Test
National Railroad Passenger Corporation (AMTRAK)

TOPIC: TESTING AMTRAK'S HIGH SPEED "ACELA" TRAINS

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

DATE/TIME: TUESDAY, November 9, 1999, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 888-4086
LANG NGUYEN (202) 493-6349

(It is important that your reservation is called in by 4 pm on Friday, November 5, 1999)

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Lombardi joined AMTRAK in 1975 serving as a locomotive engineer instructor before moving to the equipment engineering department. He is responsible for all AMTRAK's rolling stock testing. In the recent past, he managed the tests of the X2000 and ICE trains on the Northeast Corridor and the Talgo trains in the Pacific Northwest. Mr. Lombardi is currently overseeing the testing of the new high speed "Acela" trains which will be operating between Washington, D.C.; New York; and Boston.

Mr. Lombardi will give us an overview of the test program which is under way as well as the description of the "Acela" trains and how they will be reducing city to city running times. Come and join us on November 9 for what promises to be a most informative presentation.

Our next meeting is on Tuesday, 14 December at TGI Fridays. Mr. John Corbin of TechniRail will speak on "The Geometry Measurement of Track." Our remaining meetings are scheduled for the 2nd Tuesday of the month except for the January meeting which will be on Wednesday, January 19, 2000.

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SPEAKER: Mr. John Corbin
President of TechniRail International

TOPIC: THE MEASUREMENT AND APPLICATION OF TRACK
GEOMETRY

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

DATE/TIME: TUESDAY, December 14, 1999, 11:30 am

PRICE: \$15.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202) 898-4086
LANG NGUYEN (202) 493-6349

[It is important that your reservation be called in by 4 pm on Friday, December 10, 1999]

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Corbin graduated from Catholic University with an MS in Mechanical Engineering and Acoustics. John is currently the president of TechniRail International and is responsible for management of a program for the Hungarian MAV Railways. John Corbin has worked in the area of track geometry measurements and track geometry standards for 16 years since 1971. He has developed both inertial and non-inertial approaches to the measurement of track geometry as well as an approach to standards based on vehicle performance.

Mr. Corbin will provide in his presentation an overview to the problems and their solutions of designing and maintaining track structure to meet the needs of the heavily loaded freight trains of today and the high speed passenger trains being planned for tomorrow.

Our next meeting is on the third Wednesday of January, January 19, 2000, at TGI Fridays. Mr. Mark Evans, Southeast Regional Marketing Director for Siemens Transportation Systems, will speak on Light Rail Applications and the Future of New Starts." Our remaining meetings are scheduled for the second Tuesday of each month through June 2000.