

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



AND



THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

Cordially invites you to our monthly luncheon meeting

SPEAKER: FRANK GUZZO - Manager for Diesel Rail, Siemens Transportation Systems

TOPIC: Self-Propelled Diesel rail Cars - Technology and Plans for North America

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

DATE/TIME: TUESDAY, JANUARY 10, 1995 - 11:30 a.m.

PRICE: \$17.00* CASH AT THE DOOR

RESERVATIONS: LOU SANDERS 202/898-4086 PLEASE MAKE YOUR
TOM GUINS 202/639-2259 RESERVATION BY
4 PM FRIDAY

ABOUT THE SPEAKER AND THE SUBJECT:

Frank Guzzo has spent 17 years in the railroad industry starting in 1977 with the Municipal Railway (MUNI) in San Francisco, California. In 1984, Frank joined Duewag Corporation which later became Siemens Duewag Corp. Until recently, Mr. Guzzo worked in the field of light rail both at MUNI and Siemens Duewag. With Siemens Duewag Frank worked as the Manager of Technical Services for the Pittsburgh Light Rail Vehicle Project and as Project Manager for the St. Louis Light Rail Vehicle Project. This year Frank joined Siemens Transportation Systems as the Manager for Diesel Rail and is presently located in St. Louis.

Frank spent six years in the U.S. Navy working in electronics. He attended the University of Maryland and California State Berkeley. Mr. Guzzo is certified to teach industrial education (electronics and mechanics) by the State of California.

Siemens has been evaluating the North American market regarding self-propelled equipment. As more and more locations in the U.S. and Canada look for ways to use existing rail infrastructures, the DMU or diesel multiple unit becomes an attractive alternative to locomotive hauled equipment. The discussion will focus on the history of RDC's in North America, development of DMU's in Europe and Siemens Duewag equipment as well as the obstacles facing DMU's in North America.

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SPEAKER: **JAMES CONSTANTINO** - Executive Director, Intelligent Transportation Society of America

TOPIC: Intelligent Transportation Systems

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

DATE/TIME: TUESDAY, FEBRUARY 13, 1995 - 11:30 a.m.

PRICE: **\$17.00*** CASH AT THE DOOR

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ABOUT THE SPEAKER AND THE SUBJECT:

James Constantino is the Executive Director of the Intelligent Transportation Society of America (ITS America). Dr. Constantino was a Research Professor of Transportation Engineering at George Mason University and an Adjunct Professor of Engineering Management at George Washington University. He was also the President of the Charles River Group, and Executive Vice President and Chief Operating Officer of JAYCOR, Inc.

In his Federal Government career, Dr. Constantino held positions at the FAA, NASA and DOT. His most recent Federal Position was as Director of the Volpe National Transportation Systems Center in Cambridge, Massachusetts.

A vast domestic market, and a new high technology industry, is on the verge of being unleashed to move American surface transportation onto the information age. America trails Japan and Europe in tapping this unlimited potential, largely because of the gap in public infrastructure required to drive what will become primarily a private sector industry. What is needed to fill this gap is a foundation of Intelligent Vehicle Transportation Systems (ITS) that the public sector can readily deploy with available technology. This talk will focus on ITS, applicable policies and funding, the delivery mechanisms and opportunities in the ITS arena for public and private sector organizations.

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SPEAKER: **JOSEPH S. SILIEN** - Vice President Business Development, ABB
Traction, Inc.

TOPIC: **ABB's Perspective on Diesel Multiple Unit Equipment For North America**

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

DATE/TIME: **TUESDAY, MARCH 14, 1995 - 11:30 a.m.**

PRICE: **\$17.00* CASH AT THE DOOR**

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ABOUT THE SPEAKER AND THE SUBJECT:

Joseph S. Silien's career in the transportation industry spans more than twenty-five years and encompasses many aspects of the business. After graduating from Columbia University with AB and Masters degrees in Urban Planning, he joined the Federal Urban Mass Transit Administration (now FTA) where he served as Director of the Office of Rail Technology. In that capacity, he was responsible for implementation of the urban rail test facilities at Pueblo, Colorado and for a variety of innovative hardware developments in rail vehicles and subsystems. While at UMTA, Mr. Silien is credited with being among the few transportation professionals who envisioned and sponsored the *rediscovery of light rail transit in the U.S.*

In 1989, he joined ABB Traction, Inc., a subsidiary of the worldwide Asea Brown Boveri Group. He Serves as Vice President of Business Development for ABB where his responsibilities include the development of multifaceted complex projects such as emerging light rail and high speed rail corridors, and the demonstration of the X2000 High Speed Tilting Train in the U.S. and Canada.

Mr. Silien is active in NSF's TRB, the High Speed Rail Association and APTA.

Mr. Silien will discuss ABB's perspective on Diesel Multiple Unit Equipment for North America.

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SPEAKER: WILLIAM J. CLOUGHER - Principal Engineer Raytheon Company

TOPIC: Personal Rapid Transit Systems

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

DATE/TIME: TUESDAY, APRIL 11, 1995 - 11:30 a.m.

PRICE: \$17.00* CASH AT THE DOOR

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ABOUT THE SPEAKER AND THE SUBJECT:

William Clougher is a Principal Engineer at Raytheon Company Electronic Systems Division located in Marlborough, Massachusetts. He is the Systems Engineering Manager within the Transportation Systems business area for the development of the Personal Rapid Transit (PRT) product. His technical expertise is in control systems, electronic design and electro-mechanical servo systems. He has held positions of increasing responsibility within the engineering and management functions at Raytheon since joining the company in 1973. In 1984 he was assigned to lead engineer on the guidance system for an improved strategic missile system. In 1992 was assigned to the lead engineer for the development of the PRT and in 1994 was appointed the PRT systems engineering manager. Mr. Clougher received his B.S. in Electrical Engineering from Rensselaer Polytechnic Institute in 1973. He is also a graduate of several Raytheon internal Engineering and Management Development Training Programs.

Bill will be speaking about the development of the demonstration program of a Personal Rapid Transit system. The project is being developed in conjunction with the Chicago Regional Transportation Authority (RTA).

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SPEAKER: ANA SOL GUTIERREZ - Deputy Administrator for the Research and Special Programs Administration (RSPA) of D.O.T.

TOPIC: RSPA's Current and future Research Programs

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

DATE/TIME: TUESDAY, MAY 9, 1995 - 11:30 a.m.

PRICE: \$17.00* CASH AT THE DOOR

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ABOUT THE SPEAKER AND THE SUBJECT:

Ana Sol Gutiérrez became Deputy Administrator for Research and Special Projects Administration (RSPA) on January 18, 1994. Ms. Gutiérrez received her master of science degree in Technology of Management, Scientific and Technical Information Systems and Management Information Systems from the American University in 1975. She received her bachelor of science degree in Chemistry from Pennsylvania State University in 1964. She has also completed a number of post-graduate courses in engineering at George Washington University.

Prior to this appointment, Ms. Gutiérrez worked for the Computer Sciences Corporation (CSC), as a Senior Consulting Engineer / Operations Manager.

Ms. Gutiérrez has more than 30 years of experience in the information industry and computer systems engineering. She has worked in the private sector with several Washington-based high technology companies including Loral (formerly Ford Aerospace), Booz, Allen and Hamilton and Wang Laboratories.

Ms. Gutiérrez will discuss RSPA's current and future plans and programs.

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SPEAKER: **KENNETH M. WATKINS** - Mgr. Equipment Engineering - Amtrak
EDWARD J. LOMBARDI - Mgr. Performance and Tests - Amtrak

TOPIC: Amtrak's new Dual Mode AC / 650 V DC Diesel Locomotive

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

DATE/TIME: **TUESDAY, JUNE 6, 1995** - 11:30 a.m. (Note: this is the **first** Tuesday)

PRICE: **\$17.00*** CASH AT THE DOOR

RESERVATIONS: **LOU SANDERS** 202/898-4086 **PLEASE MAKE YOUR**
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ABOUT THE SPEAKER AND THE SUBJECT:

Ken Watkins is Manager of Equipment Engineering in Amtrak's North East Corridor Business Unit. Ken is responsible for technical support of Amtrak's NEC locomotive and passenger car fleet. Ken played a key role in the planning and acquisition activity that led to the development of this new AMD110 GE built locomotive. The AMD110 is the first newly designed, from the wheels up, dual mode diesel AC / 650 V DC built in the US since the FL9 in the 1950's

Ed Lombardi is Manager of Performance and Tests in Amtrak's Technical Support Group. Ed is responsible for testing all rolling stock and rolling stock support equipment. Ed will describe the tests performed on AMD110 at the Transportation Technology Center in Pueblo, Colorado, where the locomotive reached a speed of 123 MPH as well as third rail speeds up to 90 MPH.

Both of these speakers has been with us before. If you have had the opportunity to hear one of their previous presentations, you already know how much you will enjoy hearing them describe the exciting design features and testing of this new dual mode locomotive.

Please Note : This meeting is on the first Tuesday of the month -- this is not a mistake.

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- SPEAKER:** STEVEN ROBERTS - Director of Operations,
The Virginia Rail Express
- TOPIC:** VIRGINIA RAIL EXPRESS - PLANS FOR EXPANSION
- PLACE:** UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd. floor
800 21st. Street, NW, Washington, D.C.
- DATE/TIME:** TUESDAY, SEPTEMBER 12, 1995 - 11:30 a.m.
- PRICE:** \$17.00* CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS 202/898-4086 PLEASE MAKE YOUR
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ABOUT THE SPEAKER AND THE SUBJECT:

Virginia Rail Express's Director of Operations since September, 1993, Mr. Roberts has been involved in the development of Virginia Rail Express since its inception in 1985. Steve joined the staff of the Northern Virginia Transportation Commission in 1976 as Intergovernmental Fiscal Relations Officer. During the past ten years, and as Director of Finance and then Director of Project Development at NVTC, Mr. Roberts participated in, or led in the development of virtually every aspect of VRE including the operating agreements with Amtrak, Conrail, Norfolk Southern and the RF&P Railroad as predecessor to CSX Transportation. Before joining NVTC Steve was a budget analyst for Fairfax County, VA. Mr. Roberts is a graduate of the University of Wisconsin and holds a Master's Degree in public administration from the University of Oklahoma.

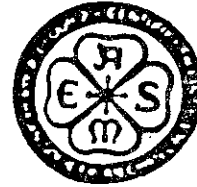
Mr. Roberts will provide an overview of the Virginia Rail Express route and operation and discuss VRE's plan for future expansion. Steve will entertain questions after his talk to allow everyone to leave with full knowledge of VRE.

Next month's speaker, on October 17, will discuss research in the area of Automated Highways.

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SPEAKER: **STEVE CARLTON** - Lockheed-Martin Automated Highway
System Consortium

TOPIC: **AUTOMATED HIGHWAY SYSTEMS**

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

DATE/TIME: **TUESDAY, OCTOBER 17, 1995 - 11:30 a.m.**

PRICE: **\$17.00* CASH AT THE DOOR**

RESERVATIONS: **LOU SANDERS** 202/898-4086 **PLEASE MAKE YOUR**
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ABOUT THE SPEAKER AND THE SUBJECT:

One of the most exciting areas in application of engineering technology is automated highway systems. These systems promise to move us into an era of instant communication of highway condition, congestion, alternative routes and on-line driver assistance. These systems will carry cruise control to their logical conclusion by providing vehicle to vehicle, vehicle to road and vehicle to central control computer on a continuous basis. The research being conducted under the banner of Automated Highway systems spans the entire range of engineering disciplines including Mechanical, Electrical/Electronic and Communications Engineering disciplines.

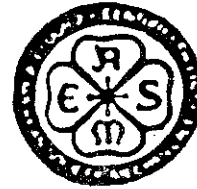
Mr . Steve Carlton of Lockheed-Martin and the Automated Highway Systems Consortium will lead us through the current and future research directions and plans for Automated Highway Systems. Steve will provide an up to the minute view of the wide-ranging research, applications and testing being conducted under the Automated Highway Systems banner.

Next month's meeting will be held on the **FIRST Tuesday in November**. The topic of the **November 7** meeting will be **STATION CARS**, please mark your calendars to reserve this date.

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SPEAKER: **LOU SANDERS** - Executive Director - Transit Research and Development
American Public Transit Association

TOPIC: **THE TRANSIT COOPERATIVE RESEARCH PROGRAM**

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

DATE/TIME: **TUESDAY, NOVEMBER 7, 1995 - 11:30 a.m.**

PRICE: **\$17.00* CASH AT THE DOOR**

RESERVATIONS: **LOU SANDERS** 202/898-4086 **PLEASE MAKE YOUR**
TOM GUINS 202/639-2259 **RESERVATION BY**
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ABOUT THE SPEAKER AND THE SUBJECT:

The Transit Cooperative Research Program provides funding for research covering the entire area of transportation. Such diverse areas as transportation equipment, planning and policy fall under this funding umbrella. We will hear about the full range of projects being funded and how the results are being disseminated to all the interested parties.

Mr. Lou Sanders of APTA will lead us through the process by which research proposals are received, evaluated, funded, monitored, and the results made public. Lou will be ably assisted by a surprise co-speaker, known to us all by his previous role on the TV version of Star Trek.

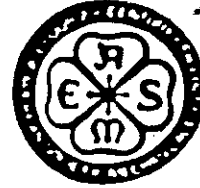
Lou is known to all regular attendees for his long-time involvement in the organization of these luncheon meetings. Currently employed by APTA, Mr. Sanders has a long history of involvement in transportation Research including a stint with ARINC where he served as the manager of the AAR program on Automatic Train Control Systems.

Next month's meeting will be held on the **SECOND Tuesday in December**. The topic of the **December 12 meeting** will be **Station Cars**, please mark your calendars to reserve this date.

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SPEAKER: **RON FISHER** - Retired - Federal Transit Administration

TOPIC: STATION CARS

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

DATE/TIME: TUESDAY, DECEMBER 12, 1995 - 11:30 a.m.

PRICE: **\$17.00*** CASH AT THE DOOR

RESERVATIONS: LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR**
TOM GUINS 202/639-2259 **RESERVATION BY**
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ABOUT THE SPEAKER AND THE SUBJECT:

The Federal Transit Administration of the Department of Transportation has long sought ways to make public transit more accessible from a wider range of origins and destinations. Currently, no suitable method is available to transport a person from the end of the public transit route to destinations that are a significant distance away. Most methods that have been tried, such as single-rider vans, have proved to be uneconomic. One new method that has been proposed to accomplish this goal is the Station Car. Station Cars are envisioned as small vehicles that would be available at public transportation stops to provide transportation to and from the riders final destination. The user would reserve the Station Car, then just pick it up and return it to the location where the rider exits the public transit system.

Mr. Ron Fisher is recently retired from the Federal Transit Administration where he was responsible for the FTA's Intelligent Transportation Systems program. Ron has been active in the Advanced Public Transit Systems Committee of the ITS program. As a consultant, Ron is available to assist you in all areas related to Intelligent Transportation Systems and other aspects of public transportation.

Next month's meeting will be held on the **SECOND Tuesday in January (1/9/96)**.