

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



AND



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Cordially invites you to our monthly luncheon meeting

**SPEAKER:**

*RONALD E. BOENAV, DIVISION CHIEF ADVANCED PUBLIC*  
~~Mr. Walter Kulyk, Director, Office of Mobility Innovation - Federal Transit~~  
~~Administration~~ *TRANSPORTATION SYSTEMS (APTS) DIVISION*

**TOPIC:**

INTELLIGENT VEHICLE INITIATIVE

**PLACE:**

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

**DATE/TIME:**

TUESDAY, JANUARY 20, 1998 - 11:30 a.m.

**PRICE:**

\$17.00 CASH AT THE DOOR

**RESERVATIONS:**

LOU SANDERS (202)898-4086  
TOM GUINS (202)639-2259

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Walter Kulyk is the Director of the Office of Mobility Innovation for the Federal Transit Administration. In this role, Mr. Kulyk is responsible for accelerating the rate of implementation of innovations developed under the Intelligent Transportation Systems program.

There continues to be a plethora of discussion about future transportation systems. We have heard presentations on communications standards and the interfaces among the many facets of city-wide, multi-modal transportation systems. The sheer magnitude of the infrastructure required to bring such a system to fruition, leads you to believe that ITS is in the distant future.

Not so! Walter is leading an effort whose goals are of a more manageable scope. The promise of the Intelligent Vehicle Initiative is to accelerate the development and deployment of proven systems that will help drivers operate more safely and effectively. This will be accomplished by integrating vehicle control technology with human factors considerations to assist vehicle operators. The focus of this effort will be on light, commercial, transit and specialty vehicles.

Mr. Kulyk will discuss exciting ongoing developmental and demonstration projects.

**Don't Forget: All Meeting Through June, 1998 Will Be Held on the Third Tuesday of the Month**

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**SPEAKER:** Mr. Dennis Lengyel, Director Systems Engineering Department, ARINC, Inc.

**TOPIC:** I-95 Advanced Traveler Information Service

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

**DATE/TIME:** TUESDAY, February 17, 1998 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS (202)898-4086  
TOM GUINS (202)639-2259

### ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Lengyel has over 25 years experience in the Telecommunications industry. He has a BSEE from the University of Akron and an MSEE from John Hopkins University. Denny is a registered PE in the State of Maryland. Prior to joining ARINC, he served in the USAF, as a civilian at NSA and Litton AMECOM. He has been with ARINC for over 15 years.

Mr. Lengyel is the Director of a Systems Engineering Department that is responsible for Surface Transportation Programs at ARINC. He provides management and technical guidance to the following underway in his department: the I-95 project, the NYCTA Communications Based Train Control Project, the MTA Light Rail OCC fiber optic network and PLC projects, the Illinois DOT High Speed PTC Project, Conrail/CSX/NS PTC platform project and the FHA's ITS project.

Denny will discuss ARINC's project of Implementing a 33 month field operational test to collect, process, and disseminate traveler information to interregional travelers between the New York and Boston sections of the I-95 Northeast Corridor. As part of the I-95 Coalition's Advanced Traveler Information Services Project (TravTips) ARINC will develop a public/private communications switching and information network to collect, process and disseminate traveler information to selected markets along the I-95 corridor.

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**SPEAKER:** Mr. Rick Ortyl, Manager of Equipment Sale, HELM Financial Corp.

**TOPIC:** New Locomotives for Transit Service

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

**DATE/TIME:** TUESDAY, March 17, 1998 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS (202)898-4086  
TOM GUINS (202)639-2259

### ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Ortyl has over 20 years experience in the Railroad industry. Rick has a B.S. in Business Administration from Washington University and received an MBA in 1981 from St. Louis University. Rick spent the first fifteen years of his career with Metro-East Industries, a railroad equipment firm. In 1993, Mr. Ortyl joined HELM financial Corporation, a major lessor of rail equipment based in San Francisco.

As Manager of Equipment Sales, Mr. Ortyl is responsible for the marketing the full line of equipment offered by HELM financial, which includes representing Boise Locomotive Company as their marketing agent. Boise Locomotive is a manufacturer of locomotives for the transit and freight railroad switcher markets as well as a rebuilder / remanufacturer of locomotives.

Rick's presentation will provide information on the current line of locomotives for transit applications manufactured by Boise Locomotive. Performance of the locomotives will be discussed as well as intended application and design features. Rick will also discuss the evolution of Boise Locomotive, a part of Motive Power Industries, from the MK Rail Corporation.

**Don't Forget: All Meetings Through June, 1998 Will Be Held on the Third Tuesday of the Month. Next month's meeting will be held on Tuesday, April 21.**

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**SPEAKER:** *DAVE SYNDER*  
Mr. ~~Steve Roberts~~, Director of Operations, Virginia Railway Express.

**TOPIC:** Future Plans for VRE

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

**DATE/TIME:** TUESDAY, April 21, 1998 - 11:30 a.m.

**PRICE:** \$15.00 CASH AT THE DOOR

**RESERVATIONS:** LOU SANDERS (202)898-4086  
TOM GUINS (202)639-2259

### ABOUT THE SPEAKER AND THE SUBJECT:

Since 1984, Steve Roberts has been a principal in the Virginia Railway Express project. Steve has been the Director of Operations from 1993 to the present, and is Chief Operating Officer for the passenger service to Northern Virginia suburbs of the national Capital Region. Steve is responsible for contract management to accomplish the day-to-day operation of a two line, four railroad, 24 train, 7,000 daily passenger trip service. He must develop and execute a \$35 million annual operating and capital budget.

Mr. Roberts is responsible for strategic planning for growth over the next several years to achieve service to 10,000 daily passengers. Steve will be involved in congestion mitigation during reconstruction of the Springfield interstate interchanges, improvements to rail passenger service in the Washington-Richmond corridor, run through service with MARC and in the transportation solution in the I-66 corridor.

Steve will discuss how all of these operation improvements will be achieved. He will also discuss VRE's plan in both operations and new equipment over the next several years.

**Don't Forget: All Meetings Through June, 1998 Will Be Held on the Third Tuesday of the Month. Next month's meeting will be held on Tuesday, May 19. The meeting will feature the new bi-level cars recently purchased by Maryland Transit.**

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- SPEAKER:** Mr. John Merino, Rail America
- TOPIC:** Short line Railroads in the US and Chile
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd Floor  
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, May 19, 1998 - 11:30 a.m.
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS (202)898-4086  
TOM GUINS (202)639-2259

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Merino is with Rail America Corporation and has gained a wealth of experience in purchasing, managing and operating short line railroads in his current position. Rail America is the owner of many short-line railroads in the United States and South America. John will place particular emphasis on current operations on the nearby Gettysburg Railroad. The Gettysburg Railroad operates 23.4 miles of track, two diesel and two steam locomotives.

John will also provide an overview of the other short line roads owned and operated by Rail America in the United States. The blossoming of short line railroads provides an opportunity for railroaders to provide extremely customer oriented services on routes that are not economic for the large railroads to serve.

Rail America also operates the Ferronor railroad in Chile, South America. John and Rail America have made significant improvements in both infrastructure and service on this Railroad. John will share some insights and lessons in the operation of South American Railroads.

**Don't Forget: All Meetings Through June, 1998 Will Be Held on the Third Tuesday of the Month. Next month's meeting will be Tuesday, June 16 featuring Brian Scales on Truck design.**

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- SPEAKER:** Mr. Brian Scales, Transportation Engineer
- TOPIC:** Review of Freight Car Truck Design and Performance
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd Floor  
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, JUNE 16, 1998 - 11:30 a.m.
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS (202)898-4086  
TOM GUINS (202)639-2259

### ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Brian Scales has a long history in the transportation industry. Brian earned his Bachelors degree in Mechanical Engineering from Kings College, University of London. He went on to earn a Doctorate in Mechanical Engineering at the University of Surrey specializing in the longitudinal dynamics of freight trains. Brian is a Fellow in the Institution of Mechanical Engineers in the U.K. and a registered Professional Engineer in the Commonwealth of Virginia.

Brian just returned from Ireland, where he lectured on freight car truck design. Brian has spent much time recently flitting about the world supporting such countries as Malaysia in the resolution of transportation issues.

Brain has prepared a review of four types of trucks - 3-piece, articulated 3-piece, 1-piece and none of the above. He will describe each using slides and demonstrate the performance of the various type of trucks and designs using 1/8" scale models trucks and cars on 7 1/2 " gauge track. This is a once in a lifetime opportunity to learn about truck design and performance from the premier truck designer and expert in the industry.

**Don't Forget:** The next meeting will held after the summer break on or about Tuesday, September, 8, 1998. Please contact Lou Sanders with topics of interest or suggested speakers for the 1998-1999 season.

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- SPEAKER:** Mr. Daniel Duff, Chief Counsel and Vice President-Government Affairs,  
American Public Transit Association
- TOPIC:** Transportation Equity Act for the 21th Century
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd Floor  
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, SEPTEMBER 8, 1998 - 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:

TEA 21 represents a historic milestone in ground transportation legislation and funding. The American Public Transit Association (APTA) has been working diligently on behalf of the industry to insure the passage of the legislation and more recently to see to its effective implementation. Dan Duff will review the special features of the legislation and the consequences to the industry.

Dan is a graduate of Georgetown University and the University of Pittsburgh Law School. He previously served as Assistant Chief Counsel for the Federal Transit Administration and was Assistant General Counsel with the White House Counsel on Wage and Price Stability.

**Don't Forget: The next meeting will held on Tuesday, October, 6, 1998.**

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- SPEAKER:** Dr. Alan Rumsey, Senior Project manager  
Parson Transportation group
- TOPIC:** Communications Based Train Control
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd Floor  
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, OCTOBER 13, 1998 - 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:

Dr. Alan Rumsey has 25 years experience in all phases of rail transit system planning, design, implementation, test and commissioning with specific emphasis on state-of-the-art transit system developments, including sophisticated, real-time, communications-based train control (CBTC) systems. As a Senior Project Manager with the Parson Transportation Group, Dr. Rumsey is currently leading a multi-disciplined consulting team providing engineering services to New York City Transit (NYCT) to re-signal the Canarsie line with a CBTC system. He has also providing project oversight services for the FTA with respect to the BART Advanced Automatic Train Control Project and is chair of the IEEE Rail Transit Vehicle Interface Standards Committee, Working Group #2, responsible for establishing performance and functional requirement standards for communications-based train control systems. He obtained his doctorate from the University of Manchester, England in 1974 for research into the application of modern control techniques to transportation systems.

**Don't Forget:** The next meeting will held on Tuesday, November 10, 1998.



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- SPEAKER:** Marsha Scherr, Director, Business Development  
Intelligent Transportation Systems  
Orbital Sciences Corporation
- TOPIC:** **Potential Markets For its Technologies**
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd Floor  
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, November 10, 1998 - 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:

Marsha Scherr is Director of Business Development in the Intelligent Transportation Systems Division of Orbital Sciences Corporation. Headquartered in Dulles, Virginia, the company designs, manufactures, operates and markets a broad range of affordable space infrastructure systems, satellite access products and satellite services. Orbital's ITS Division is based in Germantown, Maryland and is a leading system integrator of GPS-based fleet management applications.

Marsha has been involved in many facets of the ITS Program since initial legislation was passed in 1991. She has developed numerous national and regional ITS public policy and public awareness campaigns for the USDOT, ITS America, and State DOTs. Her current focus of ITS marketing and new business development is with the New York Metropolitan Region and the Mediterranean Basin. She holds a BA from Vassar College and a MBA from Marist College..

**Don't Forget: The next meeting will held on Tuesday, December 8, 1998.**

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- SPEAKER:** Kenneth Shield, PE  
Manager communications systems  
Raytheon Infrastructure, Inc.
- TOPIC:** "Hudson-Bergen Light Rail project  
Systems design and current project status"
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd Floor  
800 21st Street, Washington, D.C.
- DATE/TIME:** TUESDAY, December 8, 1998 - 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:

Kenneth Shields is currently involved in the design and development of the Hudson-Bergen Light Rail System(LRT) in the Northern New-Jersey. The Hudson-Bergen LRT project is the first "design build operate maintain" transit project in the United States. Raytheon is part of a team called 21<sup>st</sup> Century Rail that is under contract to NJ Transit to design and then operate this light rail system for 15 years. He is responsible for the communications systems design and for supervising the development of the Control Center Systems for this project. Kenneth has been with Raytheon Infrastructure (and one of its predecessor companies, Gibbs & Hill) for 8 years where he has been involved in communications and signal design projects. His previous assignment was Deputy Project Manager for the Washington Metro contract for which Raytheon has been providing signal and communications design and construction related services for the WMATA extensions. In addition, Kenneth has worked on transit projects for CDOT, MBTA and Metro North. He is a Professional Engineer and has an MEng and a BSEE from Cornell University.

**Happy new Year**

**Don't Forget: The next meeting will held on Tuesday, January 12, 1999.**

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