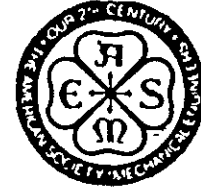


THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



AND



THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

Cordially invites you to our monthly luncheon meeting

**SPEAKER:**           **JEROME R. PIER - J.R. PIER & ASSOCIATES**  
                              **GORDON S. CAMPBELL - LDK ENGINEERING INC.**

**TOPIC:**                **HIGH SPEED ON EXISTING RIGHTS OF WAY**

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

**DATE/TIME:**        **TUESDAY, JANUARY 12<sup>th</sup>, 1993 - 11:30 a.m.**

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

**RESERVATIONS:**   **LOU SANDERS                   410/266-4685**  
                              **RAUL V. BRAVO                 703/425-6059**

**ABOUT THE SPEAKER AND THE SUBJECT:**

Jerome Pier has been involved in the railroad industry since his graduation from Penn State as a Mechanical Engineer in 1950 and has held various general management and senior management positions in the railway supply industry including a period as Program Manager for the design and manufacture of the RTL TURBOLINER trains built by ROHR Industries in the early 70's and presently running in the New York Empire Corridor.

Mr. Pier retired from industry in 1986 to form his own management and technical consulting firm, J.R. Pier & Associates. This firm provides technical support to Allied Industries Corp. which in turn represents Bombardier/ANF, Turbomeca and Voith, respectively the prime contractor and major subsystems suppliers for the ATL Turbine Locomotive proposed for service in the Northeast Corridor as well as other corridors within the U.S.

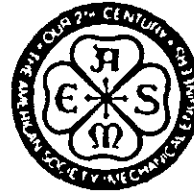
Gordon Campbell is currently Manager of Engineering for LDK Engineering responsible for Vehicle structural analysis and testing, ride quality evaluation, finite element analysis and project management. Gordon received his Masters of Applied Science in Mechanical Engineering from the University of Waterloo in 1988. Mr. Campbell, who has over ten years experience in the design of railroad equipment, was previously employed by DOFOSCO INC.

Messrs. Pier and Campbell give a presentation "High Speed on Existing Rights of Way." Their presentation promises to stir-up some lively discussion at the meeting.

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**SPEAKER:** JENNIFER MILLER - ARINC RESEARCH

**TOPIC:** LOCOMOTIVE DISPLAYS

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

**DATE/TIME:** TUESDAY, FEBRUARY 9, 1993 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS 410/266-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Jennifer Miller is a member of the Arinc Research Design Team responsible for the development of Locomotive Systems Integration Specifications on behalf of the Locomotive Committee of the Association of American Railroads. Jennifer's particular assignment has been the design evolution of state-of-the-art operating displays for modern locomotives. Her other responsibilities include assignments in connection with advanced train control system software development, focusing on Man-Machine Interface and graphical user interface applications.

Jennifer received degrees in Computer Information Systems and Education prior to joining Arinc Research in 1988.

The locomotive Systems Integration Specifications define a standardized set of on-board components and interfaces while allowing flexibility in configuring the system to meet individual railroad requirements. The Locomotive Display Specification was developed to provide a standard user interface that may be customized upon implementation.

Ms. Miller's presentation will include an example locomotive display that integrate the information from several on-board systems. After this presentation, you will view on-board displays from an entirely new perspective.

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**SPEAKER:** TONY DeANGELO - AMTRAK

**TOPIC:** AMTRAK - MAJOR AMTRAK DEVELOPMENT PROJECTS  
CONTRACT COMMUTER AND HIGH SPEED RAIL

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

**DATE/TIME:** TUESDAY, MARCH 9, 1993 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS 410/266-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Tony DeAngelo is Vice President of Real Estate and Operations Development for the National Railroad Passenger Corporation (Amtrak). In this capacity Tony is charged with developing maximum non-passenger related revenues from all of Amtrak's interests as well as providing for the corporation's real estate needs.

Before joining Amtrak, Mr. DeAngelo held several positions in the Federal Government including Deputy Assistant Secretary, Economic Development Administration, in the Department of Commerce.

After receiving his degree in economics from the University of Pennsylvania in 1957, Tony joined the City of Philadelphia Planning Commission. He has held many positions in the field of economic development leading to his current position at Amtrak.

Mr. DeAngelo will discuss Amtrak's position in the burgeoning commuter and high speed rail arenas. Tony will also discuss Amtrak's major projects in real estate and station development.

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**SPEAKER:** EDWARD J. LOMBARDI - MANAGER OF TESTS, AMTRAK

**TOPIC:** AMTRAK'S TESTING OF THE X2000

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

**DATE/TIME:** TUESDAY, APRIL 13, 1993 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS 410/266-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Ed Lombardi is a graduate of Towson State University, with a degree in mathematics, and served in Naval Intelligence during the late sixties. He started his railroad career in 1971 as a locomotive engineer with the Penn Central Railroad and also held various management positions within that organization. In 1975 he was appointed Coordinator of Locomotive Testing, in this position he had the dubious distinction of being in an E60 wreck, during a test, at over 100 mph.

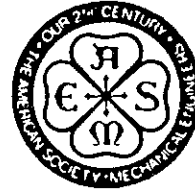
He joined Amtrak later that year as a locomotive engineer instructor, eventually moving to the Mechanical Department as Assistant Test Engineer and then eventually becoming Manager of Tests. In this position, Ed organized and conducted test programs for both locomotives and cars. He was actively involved in testing Amfleet cars, VIA's LRC, Turbo Trains and the Spanish Talgo trains at substantially higher curving speeds. He is presently the project engineer for the X2000.

Ed will us an up to minute report on the testing of the X2000 on the Northeast Corridor. This is your opportunity to learn all the advantages of the "Tilt" technology.

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**SPEAKER:** IAN B. PIRIE - MANAGER OF ENGINEERING PROJECTS, LEA & ELLIOT, INC.

**TOPIC:** COMPUTER SIMULATION IN A GRAPHICAL ENVIRONMENT

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

**DATE/TIME:** TUESDAY, MAY 11, 1993 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS 410/266-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Ian Pirie is presently Manager of Engineering Projects at Lea & Elliott, Inc. where he is involved with various transportation projects, including: A track capacity study for the Santa Fe Railroad; Design reviews for various people mover systems including Miami DPM, Newark Airport, and DFW Airport. He was also part of the management oversight team for the MTA in New York City where oversaw the Metro-North dual mode FL9AC locomotive rehabilitation, NYCTA R46 overhaul, and the LIRR Bi-Level coach procurement.

Before joining Lea & Elliot, Ian was superintendent of SEPTA's Norristown and Media Sharon Hill Carhouses and was involved with the design review of the Norristown N-5 Car.

Mr. Pirie's talk will focus on how the use of a graphical interface to simulate the performance of a single or multiple train(s) has a distinct advantage over a purely numerical tabular analysis. Included in the presentation will be a demonstration of Lea & Elliot LEGENDS, Train Performance and Network Simulation Models. These models were finalists in the Microsoft Window World Open Software Contest.

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- SPEAKER:**           **HOWARD BENN** - TRANSIT RESEARCH CONSULTANT  
                          **DENNIS J. MURPHY** - WHITE HOUSE FELLOW
- TOPIC:**                TRANSIT COOPERATIVE RESEARCH PROGRAM  
                          SECRETARY PEÑA'S TRANSPORTATION INITIATIVES
- PLACE:**               UNIVERSITY CLUB, George Washington University  
                          Marvin Center, 3rd. floor  
                          800 21st. Street, NW, Washington, DC
- DATE/TIME:**        TUESDAY, JUNE 1, 1993 - 11:30 a.m. **JUNE 1 IS NOT A MISTAKE.**
- PRICE:**               \$ 15.00 CASH AT THE DOOR
- RESERVATIONS:**   LOU SANDERS                410/266-4685  
                          RAUL V. BRAVO             703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

We are privileged to have two speakers for our June meeting.

Our first speaker will be Howard Benn, an industry veteran of over 20 years. Currently, he is an independent consultant specializing in transit research and operational planning. One of Howard's current clients is APTA, where, as a contract employee, he is currently acting program manager of APTA'S participation in the TRCP program.

Mr. Benn will discuss the Transit Cooperate Research Program.

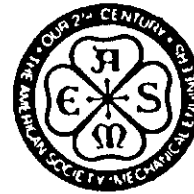
Dennis J. Murphy is a White House Fellow serving as a Special Assistant to the Secretary of Transportation where he is principally involved in areas of research and technology. His areas of responsibility include the implementation of the President's Technology Policy, Defense Conversion, Transportation Research and Development Policy, and advice to Secretary Peña on issues related to technology.

Dennis will discuss Secretary Peña's transportation initiatives.

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- SPEAKER:** MARK E. YACHMETZ - DIRECTOR, HIGH SPEED RAIL STAFF,  
FEDERAL RAILROAD ADMINISTRATION
- TOPIC:** FRA INITIATIVES IN RAIL PASSENGER SERVICE
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd. floor  
800 21st. Street, NW, Washington, DC
- DATE/TIME:** TUESDAY, SEPTEMBER 14, 1993 - 11:30 a.m.
- PRICE:** \$ 15.00 CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS 202/898-4086  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

As director of the High-Speed Rail Staff, Mark is responsible for the development and implementation of the Clinton Administration's high-speed rail initiative. The staff's first major accomplishment was development of the Department's legislative proposal -- "The High-speed Rail Development Act of 1993".

Prior to his current assignment, Mr. Yachmetz held a variety of management positions in FRA including Special Assistant to Administrator John Riley in 1987 and 1988 and Special Assistant to Gil Carmichael in 1990 and 1991. His earlier assignments at FRA included program management of the rehabilitation of freight rail lines in New England and South Dakota, various activities associated with the Northeast Corridor Improvement Project and Executive Director of the National Maglev Initiative.

Mr. Yachmetz will discuss the FRA's new initiatives and plans in the area of rail passenger service. Mark will discuss the current activities of the FRA including new locomotive designs and high-speed rail corridor development.





