


## AMERICAN SOCIETY OF MECHANICAL ENGINEERS

AND

## INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

Cordially invites you to our monthly luncheon meeting

SPEAKER: MR. ROBERT E. FURNISS  
Executive Vice President  
UTDC Corp. 

TOPIC: TURNKEY COMMUTER RAIL OPERATIONS

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

DATE: Tuesday, January 15, 1990  
11:30 Social; 12:00 Lunch; 12:30 Speaker

PRICE: \$15.00 cash at door (Club will not accept checks)

RESERVATIONS: Lou Sanders 301/266-4685  
Raul Bravo 703/425-6059

ABOUT THE SPEAKER: Robert (Bob) Furniss is responsible for the U.S. operations of UTDC, a supplier and operator of rail transit systems, including commuter rail, light and heavy rail, and automated guideway transit systems. Mr. Furniss has served with UTDC for 10 years and currently holds the positions of Executive Vice President of UTDC Corp., and President of its rail operating subsidiary, UTDC Transit Services, Inc.

Mr. Furniss' education includes an undergraduate degree from the University of Massachusetts and Master's degrees from the University of North Dakota in management, and the Harvard University Graduate School of Design in Transportation Systems Planning.

Mr. Furniss will speak on the advantages of turnkey approaches to commuter rail involving the supply of equipment and operations and maintenance services.

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SPEAKER: DR. BRIAN SCALES  
LEA + ELLIOTT, INC.

TOPIC: TRANSIT TECHNOLOGY ASSESSMENT

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

DATE/TIME: Tuesday, February 12, 1991

PRICE: \$ 15.00 CASH AT DOOR (Club will not accept cheks)

RESERVATIONS: Lou Sanders 301/858-4685  
Mimi Styles 301/424-5500  
Raul Bravo 703/425-6059

ABOUT THE SPEAKER AND THE SUBJECT:

Dr. Brian Scales is the Manager of Engineering Projects for Lea + Elliott, Inc., with thirty five years of railway equipment engineering, including testing, research and development. Brian is an authority on dynamics of impact and train shocks and truck design and performance.

Brian is a Mechanical Engineer graduated from the University of London, U.K., and has a Ph.D. in Mechanical Engineering from the University of Surrey, U.K.

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**SPEAKER:** MR. ROGER HEDMAN  
Director, Main Line Business  
ABB Traction, Inc.

**TOPIC:** NEW JERSEY TRANSIT CORP., ARROW 3 CARS  
REHABILITATION PROGRAM

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

**DATE/TIME:** TUESDAY, March 12, 1991 - 11:30 a.m.

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

**RESERVATIONS:** MIMI STYLES 301/424-5500  
LOU SANDERS 301/858-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

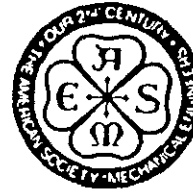
Roger Hedman is a Mechanical Engineer. He graduated from Chalmers University, Gothenborg, Sweden and has occupied several managerial positions with ABB Traction around the world. For the last five years, Roger has been involved with the U.S. market, being responsible for the development of a high speed train for the state of Florida, the Maryland LRV program and the rehabilitation of the arrow 3 cars for NJTC.

Roger's topic of discussion is the rehabilitation of the Arrow cars, work that includes conversion of propulsion and traction equipment to AC power. The work is being done at their Elmira, N.Y. facilities.

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**SPEAKER:** JIM MICHEL  
SR. Director, Engineering  
AMTRAK

**TOPIC:** "WHERE DOES OVERSEAS EQUIPMENT  
TECHNOLOGY FIT INTO AMTRAK'S  
FUTURE

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

**DATE/TIME:** TUESDAY, April 9, 1991 - 11:30 a.m.

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

**RESERVATIONS:** MIMI STYLES 301/424-5500  
LOU SANDERS 301/858-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

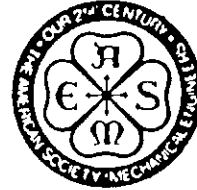
Jim Michel is the Senior Director - Engineering, responsible for the design and specification of new rolling stock, facilities and right-of-way for the entire AMTRAK system.

The program will look at advances in rolling stock development abroad and discuss opportunities to incorporate these ideas and types of equipment into the AMTRAK plan for self sufficiency by the year 2000.

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**SPEAKER:** **GHASSAN SALAMEH**  
Manager, BOOZ, ALLEN, & HAMILTON  
Transportation Consulting Office

**TOPIC:** "THE CALIFORNIA CAR DEVELOPMENT PROGRAM"

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

**DATE/TIME:** TUESDAY, MAY 14, 1991 - 11:30 a.m.

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

**RESERVATIONS:** MIMI STYLES 301/424-5500  
LOU SANDERS 301/858-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Ghassen Salameh is the manager of Booz, Allen, & Hamilton's Transportation Consulting Office in San Francisco. He has twelve years experience in the transportation industry.

Mr. Salameh is currently the Project Manager for the "California Car" specification development, procurement management of the new generation of light rail vehicles for the San Francisco Municipal Railway, and procurement manager of the Sacramento Regional Transit District LRV add-on order.

Ghassan has been involved in many transit assignments for Booz Allen, including BART, L.A. Metro, LIRR bi-level, and the Cleveland heavy rail cars.

Prior to joining Boos Allen, Ghassan was an equipment design engineer with Southern Pacific Transportation Company.

Ghassan holds a B.S. degree in Mechanical Engineering and an MBA in finance.

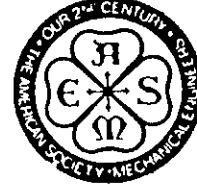
The subject of Ghassan's presentation is the development of commuter and intercity rail passenger cars for the state of California.

**Please note the change in the meeting date**

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- SPEAKER:** THOMAS S. GUINS  
Manager, Engineering Economics  
Association of American Railroads
- TOPIC:** "AUTOMATIC EQUIPMENT IDENTIFICATION"
- PLACE:** UNIVERSITY CLUB, George Washington University  
Marvin Center, 3rd. floor  
800 21st. Street, NW, Washington, DC
- DATE/TIME:** TUESDAY, JUNE 25, 1991 - 11:30 a.m.
- PRICE:** \$ 15.00 CASH AT THE DOOR
- RESERVATIONS:** MIMI STYLES 301/424-5500  
LOU SANDERS 301/858-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Guins is the Manager of the Engineering Economics Division of the Research and Test Department of the AAR. He has fifteen years experience in the railroad industry with the primary responsibility in the area of freight car maintenance. Tom served as the Test Engineer for the Automatic Equipment Identification (AEI) Standard Verification Tests conducted at the Transportation Test Center in Pueblo Colorado. The tests were conducted to determine whether tags placed on freight cars in accordance with the AAR Standard could be reliably read.

Tom's presentation will review the AEI technology that has been selected by the AAR as the railroad industry standard. The technology is based on radio frequency energy reflected by equipment mounted tags to wayside readers.

DID NOT ATTEND

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**SPEAKER:** MICHAEL J. MONTEFERRANTE - Vice President, Marketing and Sales, Morrison Knudsen Rail Systems Group

**TOPIC:** REHABILITATION AND CONSTRUCTION ON NEW CARS AND LOCOMOTIVES

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

**DATE/TIME:** TUESDAY, OCTOBER 8, 1991 - 11:30 a.m.

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

**RESERVATIONS:** LOU SANDERS 301/266-4685  
RAUL V. BRAVO 703/425-6059

**ABOUT THE SPEAKER AND THE SUBJECT:**

Michael Monteferrante is currently based in Boise, Idaho, where he is responsible for the overall development of MK's customer base for both locomotives and cars. In that position he is also responsible for direct sales for MK's five manufacturing facilities in the United States, in addition to Market Research, Public Relations and MK's newest endeavor, Technical Publications and Video Training. The majority of Mike's career been spent at MK's Transit Division in Hornell, NY.

Mike has a degree in Business Management from Boise State University.

Mike will describe the several business activities, strategies and achievements of the Rail Systems Group.

## MEMORANDUM

October 8, 1991

TO: ASME/IEEE MEMBERS AND FRIENDS

FROM: LOU SANDERS, RAUL V. BRAVO

SUBJECT: HELP!!!!

Dear friends:

As you well know, we have been left alone to conduct our monthly meetings. We have been successful in bringing excellent speakers and we hope that the wide variety of topics presented by them has been as informative and exciting to you as it has been to us.

But the two of us, even with the dedicated support of volunteers like Tom Guins and Ernie Nussbaum, simply can not continue to address all the necessary details to make the meetings a reality.

We need your help. You will be dedicating two to three hours a month in one of the following areas:

- Cashier. If we get two volunteers the responsibilities can be divided and the time required will be cut in half. Lou and Raul travel a lot and can not be sure to attend all meetings.
- Secretary/Treasurer, one for each organization, to keep minor administrative details in order.
- Vice Chairperson, also one for each organization, to assist and/or substitute the Chairman, as required.

We need your help also to bring and develop new ideas to avoid stagnation.

Please, each of you make a point to submit one volunteer name at our next meeting. Those of you not attending, please, call Lou at 301/266-4685 or Raul at 703/425-6059.

Thank you very much,

Lou Sanders, Raul V. Bravo



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- SPEAKER:**           **RENAUD J. MURRAY** - Vice President, Customer Service, Quality Assurance and Advance Engineering, Bombardier, Inc.
- TOPIC:**               **DESIGN AND CONSTRUCTION OF THE CHUNNEL SHUTTLE CARS**
- PLACE:**              **UNIVERSITY CLUB, George Washington University**  
Marvin Center, 3rd. floor  
800 21st. Street, NW, Washington, DC
- DATE/TIME:**       **TUESDAY, NOVEMBER 12, 1991 - 11:30 a.m.**
- PRICE:**              **\$ 15.00 CASH AT THE DOOR**
- RESERVATIONS:**   **LOU SANDERS                   301/266-4685**  
                          **EARNEST NUSSBAUM       301/530-7316**

**ABOUT THE SPEAKER AND THE SUBJECT:**

Renaud J. Murray, who has eleven years of railroad/transit experience, is currently responsible for all product support and quality assurance activities of the Mass Transit Division of Bombardier, Inc. His responsibilities include managerial oversight of quality assurance functions related to procurement, manufacturing and testing activities in both the La Pocatiere, Quebec and Barre, Vermont; commissioning and warranty site activities; publishing of instruction, maintenance and spare parts manuals as well as customer training programs; activities related to spare parts sales; and program management activities for all contracts in the warranty phase.

Renaud has a degree in Mechanical Engineering from the Royal Military College of Canada and a Masters Degree in Engineering Aerodynamics from McGill University.

Renaud will discuss the design and construction of the shuttle cars for the trains to be used in tunnel under English Channel between England and France.

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**SPEAKER:**           **LOUIS S. THOMPSON** - Railways Advisor, The World Bank

**TOPIC:**               **RAILWAY RESTRUCTURING AROUND THE WORLD**

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

**DATE/TIME:**       **TUESDAY, DECEMBER 10, 1991 - 11:30 a.m.**

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

**RESERVATIONS:**   **LOU SANDERS**                    **301/266-4685**  
                          **RAUL V. BRAVO**                   **703/425-6059**

### ABOUT THE SPEAKER AND THE SUBJECT:

Louis S. Thompson, who has over twenty years of railroad experience, is currently a Railways Advisor for The World Bank. Mr. Thompson acts as a consultant in all the Bank's railway lending activities, and develops reports and policy positions.

Louis has a degree in Chemical Engineering from MIT and a MBA from Harvard University.

Mr. Thompson, while employed by the Department of Transportation, was a member of the team that created AMTRAK. Later Mr. Thompson served as Director, Northeast Corridor Improvement Project. In this capacity, he oversaw the \$2.5 billion, multi-year project to upgrade rail passenger service between Boston, New York City and Washington, DC.

Mr. Thompson will discuss the current restructuring of railroads throughout the world. This will include the movement in many nations to privatize the railroad system.