

**THE INSTITUTE OF ELECTRICAL AND  
ELECTRONICS ENGINEERS  
AND  
THE AMERICAN SOCIETY OF MECHANICAL  
ENGINEERS**

Invite you to our monthly luncheon meeting.

**SPEAKER:** Mr. Jean-Pierre Ruiz  
CEO of TALGO, INC.

**TOPIC:** **TALGO Operations in the United States**

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

**DATE/TIME:** **TUESDAY, January 9, 2001, 11:30 am**

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

**RESERVATIONS:** BRAD LUSE 202-416-1059  
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, January 5, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Ruiz is the CEO of TALGO, Inc. with headquarters in Seattle, Washington. For the past several years, Mr. Ruiz has been working with AMTRAK and the State of Washington in a joint effort to provide new and improved rail transportation in the Pacific Northwest.

Mr. Ruiz will discuss the engineering and operational success of the TALGO train sets in the designated high-speed rail corridor between Vancouver, British Columbia; Seattle, Washington; and Portland, Oregon and future plans being considered.

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Our February meeting will be on Tuesday, February 13, 2001, at TGI Friday's. Dr. Allen Rumsey, Parsons Transportation Group Project Manager, will speak on the communications based train control system being developed for the New York City Transit System.

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**SPEAKER:** Dr. Alan Rumsey, Senior Project Manager Parson  
Transportation Group

**TOPIC:** An Update on the Communications Based Train  
Control System installed on the New York City  
Transit's Canarsie Line

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

**DATE/TIME:** TUESDAY, FEBRUARY 13, 2001, 11:30 am

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

**RESERVATIONS:** BRAD LUSE 202-416-1059  
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, February 9, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Dr. Alan Rumsey has over 25 years of experience in rail transit system planning, design, implementation, test, and commissioning with specific emphasis on state-of-the-art transit system developments including sophisticated communications-based train control (CBTC) systems. As a senior project manager with the Parson Transportation Group, Dr. Rumsey is currently leading a team providing engineering services to New York City Transit to re-signal the Canarsie line with a CBTC system. He has chaired the IEEE Rail Transit Vehicle Interface Standards Committee responsible for establishing standards for communications-based train control systems. Dr. Rumsey obtained his doctorate from the University of Manchester, England in 1974 for research into the application of modern control techniques to transportation systems.

Dr. Rumsey will provide an update to his previous presentation (October, 1998) on the Canarsie line project.

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Our March meeting will be on Tuesday, March 13, 2001, at TGI Friday's. Mr. Lawrence Light, Senior Director of New Technologies at Amtrak, will speak on the Advanced Civil Speed Enforcement System train control system developed for Amtrak's Northeast Corridor. [See page 2]

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**SPEAKER:** Mr. L. E. (Larry) Light, Senior Director New Technologies and Standards at Amtrak

**TOPIC:** The Advanced Civil Speed Enforcement System Train Control System Developed for Amtrak's Northeast Corridor.

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

**DATE/TIME:** TUESDAY, MARCH 13, 2001, 11:30 am

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

**RESERVATIONS:** BRAD LUSE 202-416-1059  
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, March 9, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Light received a B. S. Degree in Electrical Engineering from Bucknell University and did some graduate work in Computer Science at the University of Pennsylvania. He is a Registered Professional Engineer in Pennsylvania. Larry went to work for the Pennsylvania Railroad on July 1, 1957, and has worked his way through various positions on the PRR, Penn Central, Conrail, and Amtrak. Mr. Light has worked extensively with freight, commuter, intercity passenger, and now high-speed rail services, and with all kinds of signaling systems in both electrified and non-electrified environments.

Mr. Light is currently involved in three train control systems: Advanced Civil Speed Enforcement System (ACSES), Incremental Train Control System (ITCS), and the North American Joint Positive Train Control Project (NAJPTC). Today, Larry is going to speak on the design, development, and application of the ACSES as applied to Amtrak's Northeast Corridor. ACSES is an imported European intermittent transponder-based system overlaid on the continuous expanded Nine-Aspect Cab Signal System with Speed Control required to achieve 150 mph operation in the NEC.

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Our April meeting will be on Tuesday, April 10, 2001, at TGI Friday's. Mr. Peter Cap from Parsons Brinckenhoff Quade & Douglas will talk about the current status of the Hudson Bergen Light Rail Line and the results of opening the full line in December, 2000. [See page 2]

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**SPEAKER:** Mr. Peter Cap, Vice President, Parsons Brinckerhoff  
Quade & Douglas, Inc.

**TOPIC:** Hudson-Bergen Light Rail Transit System Project-A  
Brief History and Description of the Project.

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

**DATE/TIME:** TUESDAY, APRIL 10, 2001, 11:30 am

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

**RESERVATIONS:** BRAD LUSE 202-416-1059  
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, April 6, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Cap received his B.S. in Electrical Engineering from Rutgers University in 1969 and an M.S. from the Columbia University Graduate School of Business in 1980. He is a Registered Professional Engineer in New Jersey, Maine, and New York and has worked in the engineering and construction fields in both the private and public sectors. In the area of transit development and construction, Mr. Cap has been involved in the senior management of Parsons Brinckerhoff (PB) projects including the Southern New Jersey Light Rail System, Hudson-Bergen Light Rail Transit System, Atlantic City/Brigantine Connector and the Los Angeles Metro Green Line. Prior to joining PB, Peter served in senior engineering positions with the New York City Transit Authority and a major architectural-engineering/construction firm.

Peter plans to touch on the following topics relative to the Hudson-Bergen Light Rail Transit System Project: brief history and the evolution of the first new rail start in New Jersey in generations; status of the project; brief discussion of the double-articulated, partial low floor design, total level boarding, AC propulsion vehicle selected; operational issues after one year of initial operation; the Design Build Operate and Maintain (DBOM) form of procurement used; and finally what's next and when.

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Our May meeting will be on Tuesday, May 8, 2001, at TGI Friday's. Mr. Magdy El-Sibale from the Federal Railroad Administration will speak on track and structures technology and a new track geometry car designed to measure track parameters at speed.

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**SPEAKER:** Dr. Magdy El-Sibaie  
**TOPIC:** Federal Railroad Administration's Track Inspection  
Technology Program

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

**DATE/TIME:** TUESDAY, May 8, 2001, 11:30 am

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

**RESERVATIONS:** BRAD LUSE 202-416-1059  
LANG NGUYEN 202-493-6349

[Make your reservation by 4 pm on Friday, May 4, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Dr. Magdy El-Sibaie is Chief of the Track Research Division at the Federal Railroad Administration (FRA) and will be speaking on the FRA's track inspection technology program as it relates to high-speed service. For background information, his presentation will discuss track and structures characteristics required to support high-speed rail service similar to that now being initiated in the Northeast Corridor by Amtrak and planned for other corridors throughout the country. To maintain the track and structures in these corridors, the FRA has been involved with the development of a track geometry car that is designed to measure track characteristics at speed to minimize the amount of track taken out of service while the measurements are being taken.

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Our June meeting will be on Tuesday, June 12, 2001, at TGI Friday's. Dr. Robert E. Gallamore from the Transportation Technology Center will speak on the development of the North American Positive Train Control System and its long range goal of a system that is compatible with freight and high-speed passenger service.

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**SPEAKER:** Dr. John T. Harding  
Chief Scientist, U.S. Department of Transportation

**TOPIC:** FRA Maglev Program

**PLACE:** TGI Friday's  
2100 Pennsylvania Avenue, NW  
Washington, D.C.  
(Across the street from the Marvin Center)

**DATE/TIME:** TUESDAY, September 11, 2001, 11:30 am

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

**RESERVATIONS:** BRIAN CHADWICK 202-416-1059  
LANG NGUYEN 202-493-6349  
[Make your reservation by 4 pm on Friday, September 7, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Dr. Harding is Chief Scientist for the U.S. Department of Transportation-Federal Railroad Administration maglev program. His Ph.D. is in solid state physics from the California Institute of Technology. His Master's degree is in economics from the University of California, Berkeley. His varied career includes responsibility for development of a magnetically levitated superconducting gyroscope at the Caltech Jet Propulsion Laboratory, work on superconducting quantum interference devices at the Ford Motor Company Scientific Laboratory in Newport Beach, California, research in chemical vapor deposition at Ultramet in Los Angeles, as well as economic analysis of a modern coal fired steam locomotive for American Coal Enterprises in Akron, Ohio. He has been with FRA in Washington, D.C. from 1969-1976 and from 1990 to the present. He has acted as the U.S. counterpart for exchanges of data on maglev with Japan having made a number of trips to Japan previously in connection with the maglev program.

Dr. Harding will speak on the Federal Railroad Administration maglev program.

*October*

Our ~~February~~ meeting will be on Tuesday, October 9, 2001, at TGI Friday's. Mr. Jean-Pierre Ruiz, CEO of TALGO, Inc., will speak on Talgo Operations in the United States.

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Invite you to our monthly luncheon meeting.

- SPEAKER:** Mr. L. E. (Larry) Light, Senior Director  
New Technologies and Standards at Amtrak
- TOPIC:** Differences Between CBTC Systems Being Developed,  
Installed and Tested by Railroads in the United States
- PLACE:** TGI Friday's  
2100 Pennsylvania Avenue, NW  
Washington, DC  
(Across the street from the Marvin Center)
- DATE/TIME:** TUESDAY, November 13, 11:30 am
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** BRIAN CHADWICK 202-416-1010  
LANG NGUYEN 202-493-6349  
[Make your reservation by 4 PM on Friday, January 5, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Light received a BS Degree in Electrical Engineering from Bucknell University and did some graduate work in Computer Science at the University of Pennsylvania. He is a Registered professional Engineer in Pennsylvania. He went to work for the Pennsylvania Railroad (PRR) on July 1, 1957, and has worked his way through various positions on the PRR, Penn Central, Conrail and Amtrak. Mr. Light has worked extensively with freight, commuter, inter-city passenger and now on high-speed rail services. His signaling experience is extensive in all types of both electrified and non-electrified environments.

Mr. Light is currently involved in three train control systems: Advanced Civil Speed Enforcement System (ACSES), Incremental Train Control System (ITCS) and the North American Joint Positive Train Control Project (NAJPTC). Mr. Light will speak on differences between these CBTC Systems.

Our December meeting will be held on Tuesday, December 11, 2001, at TGI Friday's. Christopher Patton, Director of the SEPTA Long-Range Planning Department will speak on SEPTA's Capital Program.

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- SPEAKER:** Mr. Christopher Patton, Director  
Capital & Long Range Planning at SEPTA
- TOPIC:** Current Development & Capital Program at SEPTA
- PLACE:** TGI Friday's  
2100 Pennsylvania Avenue, NW  
Washington, DC  
(Across the street from the Marvin Center)
- DATE/TIME:** TUESDAY, December 11, 2001, 11:30 am
- PRICE:** \$15.00 CASH AT THE DOOR
- RESERVATIONS:** BRIAN CHADWICK 703-247-4489  
LANG NGUYEN 202-493-6349  
[Make your reservation by 4 PM on Friday, December 7, 2001]

**ABOUT THE SPEAKER AND THE SUBJECT:**

Mr. Patton joined SEPTA in December 1997 as Director of the newly created Capitol & Long Range Planning Department. During 1998, after designing the department's function, he hired personnel to complete his staff. The department's projects have included the Schuylkill Valley Metro Rail and Cross County Metro New Starts projects, the Fare Collection Needs Assessment and Conceptual Design project, the Eastwick and Paoli Transportation Center projects and the Elwyn to Wawa Regional Rail Service Restoration project. Prior to joining SEPTA, Mr. Patton held positions with Parsons Brinckerhoff, the New Jersey Department of Transportation and Mobil Oil Company.

Mr. Patton holds a Bachelor of Arts degree from the University of Pennsylvania and a Master of Business Administration from Cornell University. He is a member of the American Institute of Certified Planners and the American Society of Highway Engineers. Mr. Patton participates in activities for the Multiple Sclerosis Society, having had Multiple Sclerosis since 1991. He is a single parent of a 9-year old daughter, Olivia.

Our January meeting will be held on Tuesday, January 8, 2002, at TGI Friday's. The Honorable Allan Rutter, Administrator of the Federal Railroad Administration will speak on near future planning and goals of the FRA.



## PLANNING FOR NEXT YEAR

It's time to think about LTC officers for next year, i.e. from July, 2001 to June, 2002. We are planning to appoint a nominating committee that will present a slate of officers for the new year. If you would like to volunteer for this job, please call me at 703-971-4180. Members who have agreed to serve on the nominating committee will be announced in the March newsletter. The slate of officers will be listed in either the April or May newsletters with the election of officers at the June meeting.

If you are asked to serve by the nominating committee, I sincerely hope that you will seriously consider the request to serve. Yes, the jobs do take time and commitment. The rewards are getting to better know some of the people involved in the rail industry and knowing that you have helped to provide a series of presentations that are informative, timely, and interesting to our members.

John C. Gambrell  
Chairman, LTC