

AMERICAN PUBLIC TRANSPORTATION ASSOCIATION &
THE INTERNATIONAL UNION OF RAILWAYS PRESENTS

2ND INTERNATIONAL PRACTICUM ON IMPLEMENTING HIGH-SPEED RAIL IN THE UNITED STATES

MAY 3 – 5, 2011
BALTIMORE, MD

TRACK 101

TUESDAY, MAY 3

Noon – 2:30 p.m.

LUNCHEON & WELCOME

Session Chairman

William Millar, President, APTA, Washington, DC

Introductions

Peter Gertler, Senior Vice President, HNTB, Oakland, CA

Welcome

Beverley Swaim-Staley, Secretary, Maryland Department of
Transportation, Hanover, MD

Featured Speakers:

Karen J. Rae, Deputy Administrator, Federal Railroad Administration,
Washington, DC

Joseph Boardman, President & CEO, Amtrak, Washington, DC

2:45 – 5 p.m.

MODULE I – INTRODUCTION TO HIGH SPEED SYSTEMS

- Potential in the Conventional Network (“Incremental Rail Speeds”) - Iñaki Barrón, UIC
- Potential in the Conventional Network - the American Approach – Bob Doty, HNTB
- General Approach To High Speed Rail - Iñaki Barrón, UIC
- Review of High-Speed Rail Systems in the World - Iñaki Barrón, UIC; Naoto Yanase, JR Group, Japan; T.C. Kao, University of Illinois

Questions & Answers

8 – 11:20 a.m.

MODULE II – INFRASTRUCTURE FOR HIGH SPEED RAIL

This module will address the process required for approval and building a new high speed line, including contracts, logistics, organization and planning of works, as well as maintenance and renewal; economic aspects, elements and parameters of infrastructure for a new line. - Pablo Ramos, Adif-INECO, Spain

- Track for high speed; switches - Ottmar Grein, DB AG, Germany
- Ballast-less track technology for China's High Speed Rail - Wang Jijun, China Academy of Railway Sciences
- Electrification and power supply - Andrea Nardinocchi, Italferr, Italy
- Japanese particularities on infrastructure - Atsusi Yokoyama, JR Group, Japan
- Infrastructure for high-speed in US (North East Corridor) - Frank Vacca, Amtrak

Questions & Answers

11:20 a.m. – 3:15 p.m.

MODULE III – ROLLING STOCK

General description of high speed trains, commercial and technical requirements, types of trains, traction and brake requirements - Frank Panier, DB AG, Germany

- Maintenance and operation with high speed rolling stock, as well as economic aspects of rolling stock - Pierre-Etienne Gautier, SNCF, France
- Japanese particularities on rolling stock - Naoto Yanase, JR Group, Japan
- Key technologies and maintenance mechanism of China's High Speed EMU - Gan Dunwen, Chinese Academy of Railways
- Rolling stock for high-speed in US (North East Corridor) - Mike McGaw, Amtrak

Questions & Answers

12 – 1:30 p.m.

LUNCHEON PROGRAM

- High-Speed Rail in Canada - Paul Langan

3:30 – 6 p.m.

MODULE IV – OPERATIONS

Basic operational principles for new high speed lines and trains, including mixed traffic operations and capacity. – Ottmar Grein, DB AG, Germany

- The central control room - Pablo Ramos, Adif-INECO, Spain
- Signaling, telecommunications, elements for protection, etc. - Andrea Nardinocchi, Italferr, Italy
- Japanese particularities on operations in high speed - Takao Nishiyama, JR Group, Japan
- Environmental and energy aspects of high speed rail (basic issues) - Aurélie Jehano, Systra, France
- Standards (basic issues) - Iñaki Barrón, UIC
- Operations in high speed in the US (North East Corridor) - Christopher Jagodzinski, Amtrak

Questions & Answers

6:30 – 7:30 p.m.

RECEPTION

Join FRA Administrator Joe Szabo, Practicum faculty and colleagues from around the world for a networking reception overlooking the scenic Baltimore Inner Harbor.

8 – 10:30 a.m .

MODULE V – MARKET AND CUSTOMERS

Traffic forecasting, modeling, and results, including the impacts on mobility, inducing mobility and changes in modal split. This module includes a discussion of the competition between modes (high speed & road & air transports), evolution of fares, and yield management for high speed rail - Michel Leboeuf, SNCF, France

- Experiences of high speed rail in revenue service: Spanish case history - Juan Matías Archilla, Renfe Operadora, Spain
- Stations: importance, location and basic functionality - Javier Bustinduy, BB&J Consulting, Spain
- Design in high speed projects - Cesar Vergara, Vergarastudio, USA

Questions & Answers

10:45 a.m. – 12:45 p.m.

MODULE VI – ECONOMIC, FINANCIAL & MANAGERIAL CONSIDERATIONS

Funding methods and ways and means of designing a high-speed rail project; financing; managerial aspects of high-speed rail companies; promoting a new high speed project; and processes for purchasing high speed rolling stock.

- French case history - Michel Leboeuf, SNCF, France
- Economical and financial analysis of high speed projects - Sharon Greene, Sharon Greene & Associates & Sasha Page, Infrastructure Management Group
- Privatization of a high-speed rail line: lessons learned from BOT in Taiwan - TC Kao, University of Illinois
- Managerial aspects of high speed rail companies - Juan Matías Archilla, Renfe Operadora, Spain

Questions & Answers

1 – 3:30 p.m.

**CLOSING LUNCHEON & MODULE VII
HIGH-SPEED RAIL PROJECTS IN THE US & THE FUTURE OF
HIGH SPEED RAIL**

High-Speed Rail Projects in US

- A survey of FRA-funded high-speed rail projects in the US – Federal Railroad Administration
- North East Corridor – Al Engel, Amtrak

Round Table: Research for high-speed: actions and various approaches for the future

- Pierre-Etienne Gautier, SNCF, France
- Atsushi Yokoyama, JR Group, Japan
- Eduardo Romo, FCH, Spain
- Pablo Ramos, Adif-INECO, Spain

Closing observations, insights & questions