



▶ **INTERNATIONAL**
SEMINAR ON HIGH-SPEED TECHNOLOGIES ON RAILWAY SYSTEMS

May 22 and 23, 2018



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ORGANIZED BY



HOSTED BY



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SPECIALIZED SEMINAR INTEGRATED
BY TWO PERIODS:

First period: May 22 and 23, 2018

Second period: October 2018 (TBD)

Venue: San José State University

The purpose of the seminar is to promote and disseminate specialized knowledge of High-Speed railway technologies. It's oriented to qualified professionals, graduate engineers, local SBEs and senior students with interest in this field of activity. It will provide and expand a qualified workforce for the development of the HSR in California.

Additionally it's an opportunity to bring students into contact with international leaders and companies in these technologies.

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WHERE?

SJSU SAN JOSÉ STATE
UNIVERSITY



Mineta Transportation
Institute, SILICON VALLEY,
San Jose State University

With the active intervention of PROMINENT LOCAL AND INTERNATIONAL PERSONALITIES IN AN OUTSTANDING ATMOSPHERE such as the Mineta Transportation Institute, SILICON VALLEY.

THIS COURSE, taught by international railway technology experts, IS LED BY ANTONIO ARRIBAS AND EDUARDO ROMO - engineers with over 25 years of experience designing HSR systems.

PAPERLESS SEMINAR!

EVENT OVERVIEW

TUESDAY
22

- UPDATE ON THE CALIFORNIA HSR PROJECT AND WORLDWIDE TRENDS



WEDNESDAY
23

- TRACTION POWER TECHNOLOGIES: BASIC CONCEPTS AND REAL CASES DISCUSSION



22 MAY 2018

UPDATE ON THE CALIFORNIA HSR PROJECT AND WORLDWIDE TRENDS

Day Director: Rod Diridon

08:30 Registration and coffee

09:00 Welcome, keynote speeches and open discussion

- given by:
- KAREN PHILBRICK, PhD, Executive Director, Mineta Transportation Institute
 - BORIS LIPKIN, Deputy Director Strategic Planning, CHSRA
 - ROD DIRIDON, US High Speed Rail Association Advisory Board Chair
 - JOHN FUNGHI, Chief Officer, Caltrain Modernization
 - ERIC EIDLIN, AICP, Station and Access Planning Manager, Regional Rail Division, City of San Jose Department of Transportation

11:00 Coffee break

11:30 HSR international overview and trends

- given by:
- PETER GERTLER (HNTB), Committee former Chairman, APTA HS&IPR
 - IÑAKI BARRON, International HSR expert, Renfe, ex-UIC
 - CHRISTOPHE KESELEVIC, Internacional guest speaker, CKrail Consult, ex-SNCF

12:30 Lunch time

13:30 Technologies for HSR system major components

- given by:
- MANUEL CUADRADO, New technologies for HSR structures management, FCH
 - JUAN MATIAS ARCHILLA, The outstanding role of a robust commuter network for a successful HSR system, Renfe
 - JUAN MIGUEL MAYOR, High performance traction power systems, EURIF

14:45 Coffee Break

15:00 Successful cases from the industry

- given by:
- BEN DOBERNECKER, High-Speed trains-comparison of concepts, Siemens
 - JESÚS VELA, Experiences in High Speed Lines, Thales
 - RAMÓN GONZÁLEZ, US Commercial Director, Getinsa-Euroestudios
 - LUIS CABRERO, Staff Protection System, Auxitec

16:30 End of day

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SIEMENS

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www.thalesgroup.com

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www.tpf.eu

Talgo

www.talgo.com



www.rsecorp.com

THANKS TO  &  FOR THE SUPPORT

23 MAY 2018

TRACTION POWER TECHNOLOGIES: BASIC CONCEPTS AND REAL CASES DISCUSSION

Course Director: Juan Miguel Mayor (EURIF)

- 09:00** Traction Power for High-Speed Rail. Historical Review
given by: CHRISTOPHE KESELEVIC, Internacional guest speaker, CKrail Consult, ex-SNCF
- 09:30** Electrification System on HSR
given by: JUAN MIGUEL MAYOR, Senior Railway Engineer, Getinsa-Euroestudios
- 10:00** HSR Traction and Power (I)
given by: CESAR LOSADA, Senior Railway Engineer, Siemens
- 10:45** Coffee break

- 11:00** Overhead Contact lines (I)
given by: JUAN MIGUEL MAYOR, Senior Railway Engineer
- 11:30** Electrification SF-SJ
given by: RSE Director
- 12:00** Electrical & Electromagnetic Disturbances
given by: JUAN MIGUEL MAYOR, Senior Railway Engineer
- 12:15** Lunch time

- 13:15** HSR Traction and Power (II) Maintenance
given by: CESAR LOSADA, Senior Railway Engineer, Siemens
- 14:00** Overhead Contact lines (II)
given by: JUAN MIGUEL MAYOR, Senior Railway Engineer
- 14:45** Coffee break

- 15:00** Utility Feeding lines and traction power Substations
given by: JUAN MIGUEL MAYOR, Senior Railway Engineer
- 15:30** Protection and Return Circuit
given by: JUAN MIGUEL MAYOR, Senior Railway Engineer
- 16:00** Day closure and certificates delivery
given by: KAREN PHILBRICK, PhD, Executive Director, Mineta Transportation Institute
- 16:30** End of day

ORGANIZER'S INFORMATION

-Senior installation engineer with over 25 years experience

-Researcher and senior consultant for transport sector & IRSE fellow

-Participant in all high-speed lines in Spain, Ankar-Istanbul & Mecca-Medinah

Antonio Arribas



-International expert in High Speed railway systems. He has carried out about one hundred infrastructure, track, equipment, stations & facilities designs in Pakistan, Malaysia, Portugal, China, India, Turkey, US...

-He has organized & taken part in congresses, seminars and international courses on railways technics

Eduardo Romo



- Karen Philbrick has served as executive director of the Mineta National Transit Research Consortium and the Mineta Transportation Institute (MTI) since 2014, after five years of service as MTI research director.

Karen Philbrick



Second Period

DAY 3

Infrastructure and track

Day 4

Traffic control, signaling and communications

ABOUT THE RAILWAY EXPERTS

- Civil engineer, member of the Technological Committee of the Fundación Caminos de Hierro for the promotion of Railway Research.

Manuel Cuadrado

- Participant in the main High-Speed lines of Spain, and in European High Speed Line projects (Portugal, Turkey)



- Siemens Bid Director California High Speed Rail Infrastructure Project Costumer Services

Cesar Losada

- Ph. D. Master Civil Engineer

- Senior Signaling Railway Engineer



- Senior Installation engineer with 20 years of experience in railway systems

Juan Miguel Mayor

- Participant in railway lines design & Construction as well as safety facilities in Tunnels in Spain and abroad



- Senior engineer with 20 years of experience in railway systems

- Ex UIC director

Inaki Barrón



- Christophe handles the position of Senior Adviser of the Strategy & Corporate Governance Department of RFF.

Christophe Keseljevic

- He represents RFF in various institutions, including the High Speed Scientific Committee of UIC.



-Business Development Locomotives and High-speed trainsets

Ben Dobernedter

- Professional Experience Work with Siemens Mobility for over 14 years



-Former APTA High Speed and Intercity Passenger Rail Committee Chairman

Peter Gentler

-Senior Vice President at HNTB

- Transportation and Infrastructure Business leader



-American politician known for his leadership in mass transportation

Rod Dirdon

- He served as chair of the CHSRA from 2001-2003

-He is now the High Speed Rail Association Advisory Board Chair



AVAILABLE SCHOLARSHIPS; FREE REGISTRATION FOR STUDENTS
Request assistance by sending an email to karen.philbrick@sjsu.edu

REGISTRATION FEES

GENERAL

One day: \$400 / Full Seminar(four days): \$1200

- Early Bird (before April 15): One day: \$250 / Full Seminar(four days): \$750

SBE

One day: \$250 / Full Seminar(four days): \$750

- Early Bird (before April 15): One day: \$150 / Full Seminar(four days): \$450

To formalize the registration send an email to eromo@fundacioncdh.com and aarribas@eurif.com



ABOUT EURIF & FCH

EURIF (EUROPEAN RAILWAY INSTITUTE)

www.eurif.com

Association of engineers and architects for the promotion and dissemination of railway technologies. Becoming a tool for the support of the European engineering outside Europe.

EURIF is a Private non-profit organization, improving technological sector of the railways in Europe

FCH (FUNDACIÓN CAMINOS DE HIERRO)

www.fcaminoshierro.com

FCH is a non-profit making organization dedicated to research into the field of engineering and railway technology in general.

Providing solutions for the development of transport systems through the consultancy services. FCH is an Affiliate Member of the UIC and APTA.

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