

CALIFORNIA HST 

JUNEF 2015



SIEMENS

Their products are found in most high-speed lines (in operation and future) of the world. Strong presence in the US with an important railway equipment factory in Sacramento

World leader in products & technological services

www.siemens.com



www.hsr.ca.gov

whole responsible for the first high-speed rail system in the US



www.uic.org

international union of railways

PARSONS BRINCKERHOFF

www.pbworld.com

one of the world's leading engineering professional services consulting firms

goRAIL

www.gorail.eu

Expert in Engineering, consulting, technical assistance & development of railway projects

AUTODESK

www.autodesk.com

Autodesk, Inc., is a leader in 3D design, engineering and entertainment software



www.ushsr.com

organization focusing on advancing high speed rail network across the country.

SPONSORS INFORMATION

THALES

World leader in transport automation. In addition to high-speed european systems, they have developed the CBTZ & LZB systems for driverless subways

World leader in transportation, security & space

www.thalesgroup.com

Auxitec is an International company established in 1992 whose main activity is to provide engineering services to transport infrastructures, facilities and telecommunications.

leader in engineering services

www.schwhihag.com

AUXITEC

HOST & ORGANIZERS

eurif.com **eurif**

MINETA TRANSPORTATION INSTITUTE

The Mineta Transportation Institute (MTI) was established by Congress in 1991 as part of the ISTEA legislation and was reauthorized under TEA-21. MTI then successfully competed to be named a Tier 1 Center in 2002, 2006, and 2011 in the SAFETEA-LU legislation. MTI focuses on research, education, and technology transfer.

The internationally renowned members of the MTI Board of Trustees represent all major surface transportation modes. MTI's focus on policy and management resulted from the Board's assessment of the transportation industry's unmet needs.

EUROPEAN RAILWAY INSTITUTE

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

FUNDACIÓN CAMINOS DE HIERRO

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.

fcaminoshierro.com



transweb.sjsu.edu



INTERNATIONAL SEMINAR ON HIGH-SPEED TECHNOLOGIES

SAN JOSE STATE UNIVERSITY, SILICON VALLEY



The purpose of this seminar is to promote, a high level knowledge of high-speed railway technologies for a selection of graduate engineers and specialized professionals, in order to provide and expand a resource base for the development of high-speed rail in California, as well as, bring students into contact with multinational leaders in these technologies



REGISTRATION



ATTENDANTS



WELCOMING
EDUARDO ROMO



International Seminar on High-Speed Technologies on Railway Systems

June 1, 2015

Hon. Rod Diridon Sr.

Chair, US High Speed Rail Association

*Past Chair Intercity High Speed Rail Committee
American Public Transit Association*

*Chair Emeritus
California High Speed Rail Authority Board*

*Emeritus Executive Director
Mineta National Transit Research Consortium
Mineta Transportation Institute*



WELCOMING ADDRESS

ROD DIRIDON





OPENING SPEECH

JEFF MORALES



HIGH-SPEED RAILWAY INTRODUCTION

MICHEL LEBOEUF





SIGNALLING & TELECOMMUNICATION

JOSE LUIS MEDINA



SPEAKERS

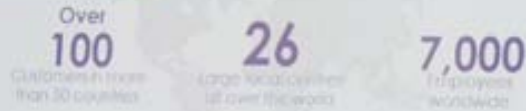
I. PAUKNER, A. ARRIBAS, J. MEDINA, E. ROMO, A. DOELLING,
M. LOPEZ, A. KEMENATER



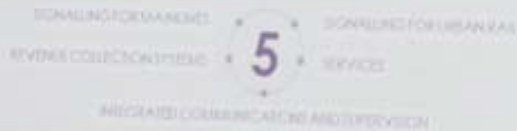
Thales - Ground Transportation

GROUND TRANSPORTATION SYSTEMS

A WORLDWIDE PRESENCE



5 CAPABILITIES FOR A COMPLETE TRANSPORTATION OFFER



THALES GROUND TRANSPORTATION MARKETS



THALES SUCCESS CASE

LUIS FERNÁNDEZ

Advantages with new concept

1. No need to connect to 220 ..420 kV lines to limit unbalance
2. 3~ to 1~ converter are able to reduce the power frequency (e.g. to 25 Hz) to reduce inductive voltage drops, ...
3. Balancer (optional) and converter will reduce the position locks



SIEMENS SUCCESS CASE

STEFFEN GOELLER



INSTALLATION SUMMARY

ANTONIO ARRIBAS



TRANSPORTATION STOOL

- Air/Rail/Road
- Last 60 Years = Great Advances in Air and Highway Systems
- Rail has Declined Since Peak During World War II
- Rail will Need to be the Focus for the Next Generation
- Will we be Prepared?



CLOSING SPEECH

FRANK VACCA





GROUP PICTURE

HUGE IMPACT ON THE DIGITAL MEDIA & SOCIAL NETWORKS



MEDIA COVERAGE

The seminar has had a great success all over the country, furthermore, we have had a huge impact in their mass media:

Radio **KCBS**
ALL NEWS
740 AM • FM 106.9 KCBS report

KCBS is part of CBS Radio, a division of CBS Corp. and one of the largest network-owned station groups in the country

television **KGO**
810 NEWS INFORMATION KGO interview

At the beginning of the seminar, the KGO news interviewed some of our speakers and attendants

