

PROGRAM

Venue:
Real Jardín Botánico
Avenida Linneo, s/n. Córdoba

Wednesday 13th 16:00 – 20:00

Registration 15h30 – 16h00

WELCOME AND OPENING 16h00 – 17h30

OPENING SPEECHES

Rafael Chacón: Director General de Movilidad.
Junta de Andalucía
Ignacio Ballester. European Union Agency for Railways
Imanol Leza. Director General. Euskotren

Coffee break 17h30 – 18h00

ROUND TABLE-DEBATE: **The importance of speed for a higher efficiency of the system** 18h00 – 20h00

Moderator: José Luis Alfaro. European Investment Bank (EIB)
Alberto García Álvarez. Renfe
Iñaki Barrón. Renfe
Jorge Nasarre y de Goicoechea. Fundación Caminos de Hierro
César López. Fundación de los Ferrocarriles Españoles
Andreu Esquiús. Director. Mcrit

CONFERENCE

Welcome reception 20h30

Thursday 14th 09:30 – 19:30

TECHNICAL SESSION: **High railway speed; a project at an European level** 09h30 – 11h00

Moderator: Clara Zamorano. Technical University of Madrid (UPM)
Marcial Bustinduy. Transport Specialist. Dirección de Proyectos. European Investment Bank (EIB)
“The role of EIB in the development of high speed rails in Europe”
Christophe Keseljevic. Rail Senior Expert. CKRail
Lorenzo Jaro. Subdirector de Programas de Inversiones y Análisis de Demanda. Dirección General de Proyectos. ADIF
“High speed rail, a project at an European level?”
Íñigo Méndez. European Union Agency for Railways
“Technical armonization of the high speed network in the European Union”

Coffee break 11h00 – 11h30

TECHNICAL SESSION: **Engineering and technological evolution** 11h30 – 12h45

Moderator: María Luisa Domínguez. Directora. Dirección de Proyectos. Dirección General ADIF Alta Velocidad
Paloma Ortega. Dirección General de Movilidad. Junta de Andalucía
“The railway in Andalusia: current situation, challenges and opportunities”



XII Jornadas Internacionales
INGENIERÍA PARA ALTA VELOCIDAD
LA IMPORTANCIA DE LA VELOCIDAD PARA UNA
MAYOR EFICIENCIA DEL SISTEMA
ALTA VELOCIDAD:
UN PROYECTO A ESCALA EUROPEA



Córdoba 13,14 y 15 de junio de 2018

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Manuel Cuadrado. Fundación Caminos de Hierro
“New technological application for analysis, diagnose and efficient maintenance of railway structures”
David Villalmanzo. Infrastructure Senior Advisor. Rail System Department. UIC
“Innovative ballasted tracks”
Miguel López. CEDEX
“Basement line 3 (BL3) of ERTMS: European standardization of brake curves. Will a BL3 train circulate properly on BL2 Spanish lines?”

Break 12h45 – 13h00

TECHNICAL SESSION: **Technological applications in high speed. The industry** 13h00 – 14h15

Moderator: Antonio Arribas. EURIF
Jaime Borrell. ALSTOM
“New technologies in high-speed trains”
Margarita Grandes. THALES
“The need of digitalization in high speed transport”
Enrique Torres. SIEMENS
“Digitalization in mobility”

Lunch 14h15 – 16h00

TECHNICAL SESSION: **Trends in the international scene** 16h00 – 17h15

Moderator: To be confirmed
Iñaki Barrón. Renfe
“Updates in high speed in the international scene”
Byung-il Oh. Director of Korail Paris Office. Korea Railroad Corporation
“High Speed train in South Korea”
Christophe Keseljevic. Rail Senior Expert. CKRail
“Innovations and perspectives in French high speed”

Coffee break 17h00 – 17h30

THE MOST OUTSTANDING OF THE WORLD CONGRESS ON HIGH SPEED RAIL (ANKARA, MAY 2018) 17h30 – 19h30

Moderator: To be confirmed
Michel Leboeuf. Rail Senior Expert
Álvaro Mascaraque. ADIF
Clara Zamorano. UPM
Gokham Olmez. CMS Project

Official dinner 21h30

Friday 15th 09:30 – 13:00
WORKSHOP: R&D&I IN RAILWAY TECHNOLOGIES

SESSION I: Seminar on railway technological innovation. Trends and perspectives 9h30 – 11h00

Moderator: Ángeles Tauler. Fundación de Ferrocarriles Españoles
Pedro Prado. Jefe de Área. Agencia Estatal de Investigación
“Public-private collaboration calls in the ministry and the railway sector”
Carmen Alonso. Dirección de Promoción y Cooperación. CDTI.
“R&D&I support tools”
Antonio Berrios. Subdirector de Innovación Estratégica. ADIF
“From knowledge generated in R&D to the first implementation of a Rail Smart Grid) in High speed lines in ADIF”

Coffee break 11h00 – 11h30

SESSION II: Seminar on railway technological innovation. Projects in progress 11h30 – 13h00

Daniel Molina. CEDEX
“The last R&D&I projects in Cedex in ERTMS: Galileo, “Zero on site testing”...”
Isidro Carrascal. University of Cantabria

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"Indetermination according to European Regulations in the measurements of damping of impacts in fastening systems in high speed"

Miguel del Sol. University Granada

"Effects of ballast pollution in the effectiveness of different maintenance areas in track geometry"

Pedro Museros. Technical University of Valencia

"Envolving cargo trains for dynamic calculus in railway bridges: Review of the Annex E OF EN-1991-2"

Andrés García Moreno

"Foresight of the vibrations produced by the train, tools for design and planning of railway lines."

Soraya Diego. University of Cantabria

"Behavior facing fatigue of the clip skl-1. Model and validation"

Fernando Moreno-Navarro. University of Granada

"Testing boxes as tools to determine the effectiveness of innovative solutions to improve the response of the track in high speed"

CLOSING OF THE CONFERENCES

13h00-13h15

Manuel Bravo. Representante Provincial de Córdoba.

Colegio de Ingenieros de Caminos Canales y Puertos (Spanish College of Civil Engineers)

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