



Chairman of UIC Asia-Pacific
region and Chairman JR East
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UIC Director General
Jean-Pierre LOUBINOUX

Welcome Message

**IT IS OUR GREAT PLEASURE TO INVITE YOU TO THE
3RD UIC ASIA-PACIFIC WORKSHOP ON CONTROL
COMMAND AND SIGNALLING (CCS) DEVELOPMENT
TECHNOLOGIES .**

There are almost 5 years left from the very successful
preceding workshop in China, Chengdu, at the South-West
Jiaotong University. Despite the long period, the objectives
and the scopes of the workshop remain stable and of current
importance.

The project baseline of the Control Command and Signalling
Development Technologies was initiated, established and
approved at the UIC Asia Regional Assembly in December 2007.
The Control Command and Signalling Development Technologies
workshop is an integrated part of the UIC action line to achieve
a Global Traffic Management and Control Command and
Signalling development strategy. The workshops shall provide
the base for core system requirements common of the world
railways and be the way to the strong openness of using leading
technologies.

Contact

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Programme

3rd Asia-Pacific Control Command and Signalling (CCS) Workshop

*"The worldwide trend and our
way forward"*

Tokyo
22-23 October 2014



Programme: Thursday 23 October 2014

08:30	Registration
09:00	Opening Ceremony
	Master of Ceremony: Dr. MATSUMOTO Masayuki, General Manager, JR East Mr. LOUBINOUX Jean-Pierre, Director General, UIC Mr. SEINO Satoshi, Chairman of UIC Asia-Pacific Region, Chairman JR-East
09:15	Keynote Speeches
	Chairman: Mr. LOUBINOUX Jean-Pierre, Director General, UIC
	Present and future of the CCS, the opportunities and threats of the new supporting technologies worldwide Mr. LOUBINOUX Jean-Pierre, Director General, UIC
	History and Future of CCS Developments in Europe Dr. LOCHMAN Libor, Executive Director, CER (Community of European Railway and Infrastructure Companies)
	Advances in Signalling Systems and the Outlook for Next-Generation Train Control Systems in Japan Dr. NAKAMURA Hideo, Professor of Dept. of Computer Engineering, Nihon University, Japan
	The Benefit of Automated Metro Technology and Its Application in Chinese Metro Dr. TANG Tao, Professor, Beijing Jiaotong University, China
10:35	Coffee Break
11:00	Session 1: Present Status of Operation Management Systems, Train Control Systems and Signalling Systems
	Chairman: Mr. PETRUCCIOLI Piero, CSS & TLC Sector Coordinator, UIC
	Great Development Experience and Increasing the Competitiveness of Signalling System in Korea Mr. KIM Young-min, Deputy Manager, Signalling Control Dept., KORAIL, Korea
	An overview of Australian Rail and some key issues Mr. WUST Derel, Member ARA (Australasian Railway Association), Australia
	Recent progress and present status in Japan Mr. HIRAGURI Shigeto, Director, Signalling & Telecommunication Technology Div., RTRI, Japan
	An overview of French operation and signalling systems Dr. ANTONI Marc, Head of technical Innovation Department, Infrastructure Direction, SNCF, France
	Innovative Technical Solutions in the Field of Automatics and Telemechanics on Russian Railways Mr. POMENKOV Dmitry, Head of Division for Implementation of innovations, Central Infrastructure Directorate, RZD
	Questions & Answers

12:50	Lunch
13h50	Session 2: Current technologies for ensuring availability and safety
	Chairman: Dr. HIRAO Yuji, Professor, Nagaoka University of Technology, Japan
	Italian High Speed Lines: Overview on Command and Control Systems Mr. FILIPPINI Nazzareno, Head of Research & Development Unit, RFI, Italy
	Amendment Activity for Operation & Maintenance Stages of RAMS Standard Mr. TASHIRO Korefumi, Director, NTSEL (National Traffic Safety & Environmental Laboratory), Japan
	Technological choices and methods ensuring availability and safety for computerized signalling systems Dr. ANTONI Marc, Senior Advisor System & Signalling, Rail System Department, UIC
	Advanced technologies for monitoring of signaling system Mr. PARK Ki-Bum, Senior Project Manager, Overseas Railway Business Dept., KORAIL, Korea
	Questions & Answers
15:20	Coffee break
15:40	Session 3: Future trends of CCS Technologies and their potential to support the convergence of CCS Systems
	Chairman: Dr. MATSUMOTO Masayuki, General Manager, JR East
	Methodology for Train Safety Control Based on Autonomous Perception Dr. CAI Baigen, Professor, Beijing Jiaotong University, China
	Issues of Future CCS Systems learned from Implementation Experience of new IT-based signaling systems Mr. BABA Yuichi, Deputy General Manager, Tokyo Electrical Construction and System Integration Office, JR East
	The Advancement and Implementation of Positive Train Control (PTC) in the United States Mr. KOLLMAR Robert, Executive Director, Engineering, Communications and Train Control, AAR (Association of American Railroads)
	Security & Safety for the new Railway Signalling System: RAMS targets with LCC point of view Mrs. AMMAD Nadia, Chief manager of RAMS Unit, Signalling Systems Department, Engineering Direction of Infrastructure, SNCF, France
	Satellite positioning and new high performance radio connections for future Train Control Systems Mr. PETRUCCIOLI Piero, CSS & TLC Sector Coordinator, UIC
	Questions & Answers
17:30	Conclusions Session
	Mr. PETRUCCIOLI Piero, CSS & TLC Sector Coordinator, UIC Dr. MATSUMOTO Masayuki, General Manager, JR East
18:00	Welcome Reception



Technical visits

Course 1

wednesday 22 october 2014

- SHINKANSEN GENERAL CONTROL CENTER & THE RAILWAY MUSEUM SCHEDULE:**
- ✓ Meet at the Entrance of Sapia Tower (1st floor) at 12:40 pm
 - ✓ Trial ride on Shinkansen
 - ✓ Visit "JR East Shinkansen General Control Center"
 - ✓ Visit "The Railway Museum" www.railway-museum.jp/en
 - ✓ Go back to Tokyo

Course 2

- CONVENTIONAL LINE GENERAL CONTROL CENTER & THE RAILWAY MUSEUM SCHEDULE:**
- ✓ Meet at the Entrance of Sapia Tower (1st floor) at 12:40 pm
 - ✓ Visit "Conventional Line General Control Center"
 - ✓ Visit "The Railway Museum" www.railway-museum.jp/en
 - ✓ Go back to Tokyo

Course 3

- TRAINING CENTER & THE RAILWAY MUSEUM SCHEDULE:**
- ✓ Meet at the Entrance of “Sapia Tower” (1st floor) at 12:40 pm
 - ✓ Trial ride on Shinkansen
 - ✓ Visit “Tokyo-Omiya Training Center” mainly for safety
 - ✓ Visit "The Railway Museum" www.railway-museum.jp/en
 - ✓ Go back to Tokyo

* No lunch is planned