



UNIVERSITY OF
BIRMINGHAM



Railway Industry Association

bsi.

Workshop “ICT on Trains”

3rd Edition

Birmingham – University of Birmingham

8-9 September 2015

SAVE THE DATE



www.ict-on-trains.org

Scope

Information and Communication Technologies (ICT) have an increasingly important role in the railway field, as they are the basis for more attractive, comfortable and added-value services. They can also bring innovation in fleet management both from operational and maintenance points of view. However, ICT represents a wide category of technologies. Focus of this session is on ICT as a solution to enable information sharing within the railway sector, so as to achieve an ecosystem of connected devices and services.

Aims

- Identify needs and requirements for information exchange coming from European policy, regulations, technical specifications and standards
- Track the progress of information sharing solutions in current ICT best practices, products and research projects
- Present and analyse the state of the art of information exchange in ICT innovative products

Target

- Railway Undertakings
- Infrastructure Managers
- Railway Industries
- Associations and Organisations
- Universities

For additional and updated information see: <http://www.ict-on-trains.org>

Workshop programme:

Day 1 - September 8

10:00 **Welcome**

Organisation

UoB
CENELEC
BSI, RSSB
RIA

10:30 **Panel 1a - Information sharing on-board**

Moderator: CENELEC

Digital railway: an EU viewpoint
IEC-CENELEC standardisation onboard

Keynote: European Commission

TCN standard series 61375: present and future
Definition of onboard application profiles
CENELEC - Onboard Multimedia and Telematic Applications
TCN Open initiative: TRDP protocol overview and TRDP protocol testing
ROLL2RAIL wireless TCMS and open coupling

IEC
IEC - UIC
CENELEC
NewTec
UNIFE

Q&A

12:30 buffet

13:30 **Panel 1b - Information sharing on ground**

Moderator: INFRABEL

TAP and TAF TSIs
Supporting the intelligent infrastructure

Keynote: ERA

IN2RAIL - The Digital Substation
Real-time train traffic operator assistance system
RCS-HOT: Automated conflict resolution and optimization of train movement in dense networks
UIC infrastructure Topology Model

IN2RAIL
West Japan Railway Company
SBB
INFRABEL

14:50 Coffee break

15:05 **ICT for Energy Management**

Energy metering data handling on ground
Delivery of energy measurement data
MERLIN Project

UIC 930
EN 50463

UIC
Comillas University of Madrid
D'Appolonia

Q&A

16:00 End of first day

Day 2 - September 9

09:30 **Panel 2 - Information sharing board to ground (and viceversa)**

Moderator: ERA

SHIFT2RAIL
ICT for a more attractive railway

Keynote: S2R JU

IT2RAIL - passengers at the center of everything
Reconciling passenger expectations
ON-TIME project and board-ground communication

FS Group
Volo
UoB - DB

Q&A

10:45 Coffee break

11:00 **Information exchange for operation and management**

RailML 3.0
A connected services framework
UK Mobile Gateway
ATO on ERTMS

Bahnkonzept
RSSB
Future Communication and Positioning Systems (FC&PS)
UNISIG

Q&A

12:10 Buffet

13:10 **Panel 3 - State of the art products and demos**

Moderator: ANIE

Information Exchange and Distribution on High Speed Trains
Management of Passenger Infotainment System
DAS system on high-speed trains in France
Connected DAS experience in Sweden
Remote diagnostics
Energy data collection and settlement
The significance of cross-border energy management for sustainable and interoperable railway systems in Europe

SADEL
SELEX
TTG
TransRail
NEXALA
ERESS
ÖBB-Infrastruktur AG

Q&A

15:35 **Roundtable and conclusions**

Moderator: UoB

including discussion with attendees

16:00 End of workshop

HOW TO ATTEND

If you are interested in the topics listed in the programme, we kindly invite you to participate in this workshop.

Participation is free of charge. However registration is mandatory, for organisational reasons. Detailed instructions for registration and attendance confirmation are available in the workshop web site at the following address:

www.ict-on-trains.org

How to reach us:

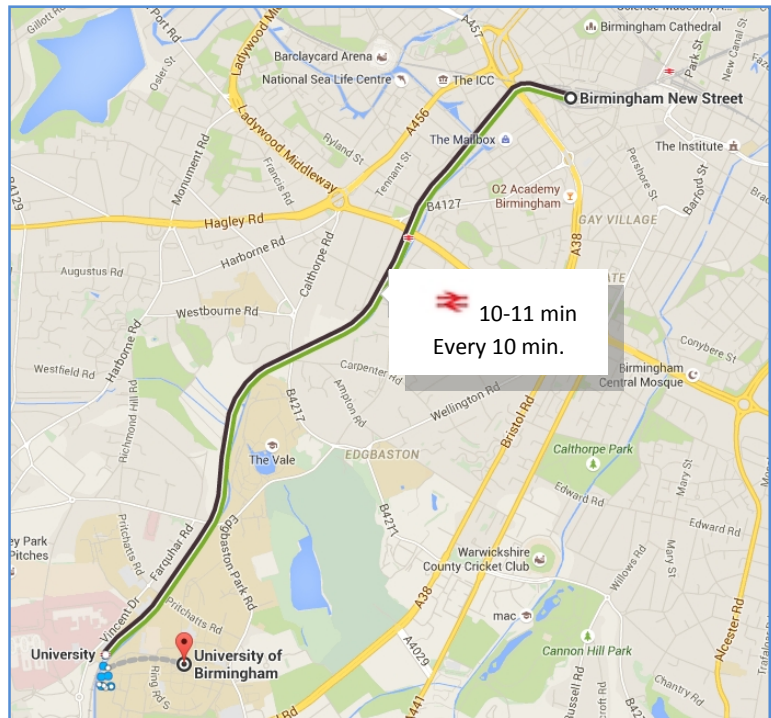
From Birmingham Airport get the train to the city and reach the central station (Birmingham New Street).

From Birmingham New Street station take the train to the University station (it will take about 10 minutes), final destination Longbridge or Redditch.

A five minute walk will bring you to the campus.

Venue:

University of Birmingham
Edgbaston
Birmingham
B15 2TT - UK



Reference persons:

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