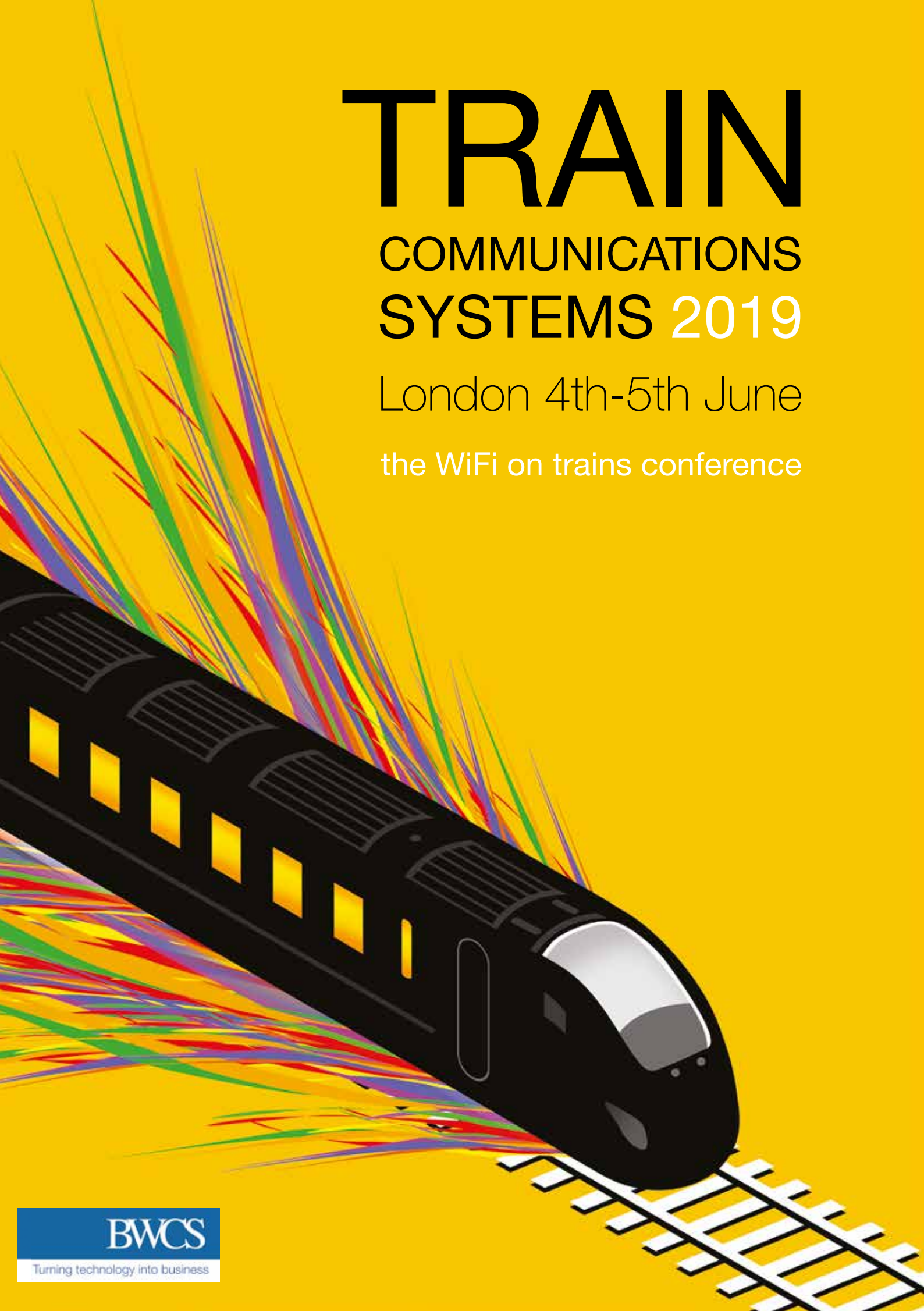


# TRAIN

## COMMUNICATIONS SYSTEMS 2019

London 4th-5th June

the WiFi on trains conference



BWCS

Turning technology into business

# TRAIN COMMUNICATIONS SYSTEMS

London 4th-5th June 2019 - the WiFi on trains conference

WiFi on board is an increasingly vital service for train operators to offer to their customers, albeit one that is very hard to get right.

BWCS' annual WiFi on Trains Conference - Train Communications Systems 2019 focuses directly on the problems of putting WiFi onto trains. You will hear frank accounts from the train operating companies currently involved in this battle - from those trialling new trackside solutions, squeezing better connections from mobile systems, as well as those launching new innovative broadband wireless services on-board their trains as they struggle to cut costs, beat the competition and enhance the passenger experience.

There is no doubt that broadband wireless services have become a vital weapon for train operators, but keeping up with this fast moving sector is a problem. TCS 2019 is the best place to keep abreast of the latest developments in this niche, but fast-growing sector.

This Conference has become a vital meeting point for train companies, rail administrators, suppliers and technology specialists all looking to drive this sector forward. Can you afford to miss out?

Join the debate, question the train companies that have launched services and find out where they will take them next. Almost every train operator from around the world that has launched a WiFi on-Trains service will be present. This is your chance to meet the people

who are shaping this market, who are driving it forward and bringing in new services, ideas and technologies. Please be advised that places are extremely limited and are selling out fast. To reserve your place now - please use the online order form or contact [Ross.Parsons@BWCS.com](mailto:Ross.Parsons@BWCS.com)

Held in London on June 4th and 5th, in central London, the Conference attracts train operators and suppliers from all over the world. Those attending will hear directly from train companies that are launching services, adding new cost-cutting solutions and driving up passenger numbers by adding integrated broadband solutions.

BWCS has worked with all the major players in this new market to make Train Communications Systems 2019 a success. Over two days, a combination of interactive workshops, panel sessions, presentations and networking sessions will explore the commercial and technical issues arising from the deployment of these services around the region.

As ever, the Conference will provide a great networking opportunity and a very limited number of sponsorship positions are still available. For further information on getting involved please contact: [Ross.Parsons@BWCS.com](mailto:Ross.Parsons@BWCS.com)

## Conference venue



This year's Conference will be held at the luxurious 5 Star Grange City Hotel, 8-14 Coopers Row, EC3N 2BQ - near the Tower of London.

The Grange City Hotel has agreed to offer a discounted room rate to those attending the Conference. However, these are available on a first come first serve basis so please book early.

To take advantage of this rate please contact the hotel directly:

Tel: 020 7071 5535  
Fax: 020 7071 5506

<https://www.grangehotels.com/hotels-london/grange-city/about-this-hotel>

## Conference sponsors

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[www.traincomms2019.com](http://www.traincomms2019.com)

**internet4trains**

[www.Internet4trains.com](http://www.Internet4trains.com) is a continuously updated, online database covering a series of national markets for WiFi on Trains, the operators - established and emerging - as well as all of the major suppliers.

For the first time, BWCS has brought together all of its contacts, knowledge, research and reporting of this market in one place.

The **www.Internet4trains.com** database covers all of the European markets for on-train WiFi services. In addition, China, India and the USA will be added in early 2019, and other markets included on an on-going basis.

BWCS is constantly monitoring developments in the WiFi on Trains sector within each national market.

For more information about how to access our international database of interviews and market developments please see **www.Internet4trains.com** or contact [Ross.Parsons@BWCS.com](mailto:Ross.Parsons@BWCS.com)

## Day 1 - June 4th

### Session One – New on-train WiFi Services and Developing the Relationships Between Suppliers and Train Operators

#### 8.45 Registration and coffee

#### 9.15 Opening Speech – Can the Rail Industry Justify the Investment Needed to Ensure the On-Board WiFi Services that Passengers Demand?

Graham Wilde, CEO BWCS

#### 09.30 Round Two: How to Manage WiFi as Service – A Train Operator's Perspective

- Keeping pace with technology change
- Management tools
- Long-term WiFi Supplier partnership

Jim Allison, Manager of Planning, Capitol Corridor Joint Powers Authority (US)

#### 10.00 Improving Capacity and Enhancing the Passenger Experience Through Sustainable Interventions the RailTel Way

- Providing WiFi on one of the world's largest rail networks
- Developing the on-train WiFi system in India
- The road ahead

Ashutosh Vasant, CMD and Director (POM), RailTel Corporation of India Ltd, part of the Indian Ministry of Railways

#### 10.30 -10.45 Coffee

#### 10.45 The Way Forward for On-Train Connectivity in the UK

Speaker to be confirmed\*

#### 11.15 Running Successful On-Board WiFi Services – Growing up from Simple WiFi Access to Providing a "Digital Room" in the Train

- Offering Self-Check-In
- Ordering-Services
- Entertainment Portal
- Information-Services

Berno Friedl, Deutsche Bahn

#### 11.45 The Changing Face of Train to Ground Communications

- Intelligent connectivity with the passenger at the heart of mobility
- A solution for seamless, one-time login, roaming wireless connectivity
- Operators get a deeper insight into passengers and their journeys and routes
- Providing a platform for new services to be offered

Jeremy Haskey, Global Engineering Director, Nomad Digital

#### 12.15 Panel Session: How Best to Improve Train-to-Shore Connectivity and Give the Passengers (and Train Operators) What they Want?

Featuring: Ashutosh Vasant (Indian Railways), Jim Allison (Capitol Corridors JPA), Jeremy Haskey (Nomad Digital), Berno Friedl (Deutsche Bahn)  
Chaired by Graham Wilde, BWCS

#### 12.45 Lunch

### Session 2 – Emerging New Trends in the WiFi On Trains Market

#### 2.00 – 2.30 Ensuring Good Wireless Connectivity for Competing Train Operators in Norway

- Speed goal: 5Mbps
- Passenger connectivity with repeaters
- Supplying infrastructure for passenger WiFi
- How to improve the passenger experience?
- Cooperation with Simula Research Laboratory

Jon Ingebretsen, Norske Tog, Norway

#### 2.30 Launching the UK's First 5G Rail Network

Simon Holmes, Group Head of Digital, FirstGroup, Mark Barrett, Blu Wireless

#### 3.00 Speed Networking and Coffee

#### 3.45 Dedicated Connectivity for Merseyrail Urban Rail - the Challenges, the Opportunity and How Connectivity Enables Innovation

Mike Hewitt, CTO ADComms – Panasonic, Merseyrail

#### 4.15 Delivering High Quality Communications Infrastructure to Metro Train Systems in New York, Hong Kong, Toronto and Beyond

Malcolm Keys (BAI Communications)

#### 4.45 Panel Session: What Will be the Future Methods of Delivering High-Speed On-Train WiFi Services

Featuring: Jon Ingebretsen (Norske Tog, Norway), Simon Holmes (FirstGroup), Mike Hewitt (ADComms – Panasonic), Malcolm Keys (BAI Communications)  
Chaired by Graham Wilde, BWCS

#### 5.15 Closing Remarks, BWCS

#### 5.30 Cocktails – Sponsored by BAI Communications

## Day 2 - June 5th

### Session Three – Emerging Technologies and What Changes they will Bring to the On-Train WiFi Sector

#### 09.15 BWCS Welcome

#### 09.30 5G and its Implications for Rail

Peter Kingsland, Icomera

#### 10.0 VIA Rail Canada On Board WiFi Operations and Evolutions

- VIA Rail Canada on-board WiFi history
- Old vs new on-train equipment
- Network Operation Center (NOC)
- Monitoring tools and stats
- Indicators and Metrics
- Cellular Coverage
- On Train Entertainment (OTE)

Michel Binette, Senior Advisor WiFi, VIA Rail Canada

#### 10.30 -10.45 Coffee

#### 10.45 Improving Train-To-Ground connectivity by leveraging Artificial Intelligence

Umberto Malesci, Fluidmesh

#### 11.15 Free Surf in Trains without WiFi Why use WiFi if in-train mobile coverage is excellent?

- Customer demands: Why use WiFi over

flatrate mobile?

- Time & Cost: How to keep roll-out time and costs down
- SBB FreeSurf: From idea to product launch

Thomas Tzschoppe, SBB AG Infrastruktur Telecom, (Switzerland State Railways)

#### 11.45 Leveraging the Spectrum to Deliver Gigabits to the Train

- RADWIN's vision of the future of Train-to-Ground networks
- How to leverage various spectrum bands in order to deliver high-speed networks for rail and metro systems

Nir Hayzler, RADWIN

#### 12.15 Panel Session: How Best to Please Train Passengers and Generate More Revenue for Train Operators

Featuring: Peter Kingsland (Icomera), Umberto Malesci (Fluidmesh), Nir Hayzler (Radwin), Michel Binette (VIA Rail Canada), Thomas Tzschoppe (SBB)  
Chaired by Graham Wilde, BWCS

#### 12.45 Lunch Sponsored by RADWIN

### Session 4 - WiFi as a Weapon in the Battle for Passengers

#### 2.00 Elron Trains Journey to Great On-Board WiFi in Estonia

- Challenges faced: video dominance soaring
- 5 main applications generate 75% of total consumption; organic data is growing by 25% annually
- Elron trains improvements - initial problems and final outcomes
- The main features of RebelRocket Cloud solution

Henri Ploom, CEO & Co-founder, RebelRoam and Elron Estonia

#### 2.30 Improving On-Train WiFi Services as Competition Creeps In

Allan Frank Sørensen, DSB, Denmark

#### 3.00 – 3.15 Coffee

#### 3.15 Delivering an On-Board Digital Hub as a Core Component of the Digital Train and Beyond

Alex Saxton, Transpennine Express and Sven Koster, GoMedia

#### 3.50 mmWave Application to Mobile Hotspot Network (MHN) – Seoul Metro PoCs and challenges

- Deploying on Seoul Metro
- Underground problems

Chung Hyun Kyu, ETRI, Korea

#### 4.20 Looking at Transport Islands - Connecting Trains, Trams, Buses and Taxis

Spencer Dando, Dubai Metro

#### 4.50 Panel Session – The Great Debate: What Does the Future Hold for WiFi on Train Services?

Featuring: Alex Saxton (Transpennine Express), Sven Koster (GoMedia), Allan Sørensen (DSB) Spencer Dando (Dubai Metro), Chung Hyun Kyu (ETRI, Korea) Henri Ploom (RebelRoam)  
Chaired by Graham Wilde, BWCS

#### 5.20 Closing Remarks and End of Conference

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# TRAIN COMMUNICATIONS SYSTEMS

London 4th-5th June 2019

## How to book your place at Train Comms Systems 2019

Simply fill in this form and either send, fax or scan and email it back to us

### Booking details / TCS2019

#### Step 1

Choose the billing currency

(Note - credit card payments will be charged in £s only)

Please tick box

☐

£

☐

US\$

☐

Euro

#### Step 2

Yes, I wish to attend the Train Communications Systems 2019 conference on June 4<sup>th</sup> and 5<sup>th</sup> 2019 in central London

Please reserve a place for me for Day 1

☐

£990

Please reserve a place for me for Day 2

☐

£990

Please reserve a place for me for both Day 1 and Day 2

☐

£1,450

Please add VAT @ 20%

If you have selected US\$ or Euro as your billing currency, the order value will be converted at the current exchange rate.

For group bookings please email [Elaine.Cale@BWCS.com](mailto:Elaine.Cale@BWCS.com)

#### Step 3

How would you like to pay?

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See bank transfer panel

or Cheque enclosed

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Payable to: BWCS Ltd

or Bill my credit card

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See credit card details

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#### Cancellation policy

If you cancel before 30th April 2019 we will refund your booking fee less a £50 administration charge. After that date, you will be invoiced for the full booking fee, but we will be pleased to accept substitutions from your company.

### Please return this booking form to BWCS Ltd:

BWCS Ltd, 6 Worcester Road, Ledbury Herefordshire, HR8 1PL, UK

Tel: +44 1531 634326 Fax: +44 1531 631443

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