

Welcome to the 41st WWRF meeting

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A meeting to look forward to

WIRELESS WORLD
RESEARCH FORUM®

- Our theme
 - Future Technologies for Business Ecosystem Innovation
- Objectives of the meeting
 - Take first steps to develop new WWRF Vision
 - Launch new VIPs on rail and water industries
 - Elect a new executive and set our budget for 2019
 - Appointment of new Fellows



How does WWRF work?

WIRELESS WORLD
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- Vision
- History
- Membership-based
- Steering Board
- Working Groups
- Publications
- Events



WORKING GROUPS

WG A/B

User Needs & Requirements; Services, and Devices, in a Wireless World.

Promoting a secure communications environment across multiple Socio-Economic settings based on user needs and requirements.

WG HF

High Frequencies (mmWAVE and THz) Radio Communications Technologies

Higher frequency radio communication technologies are expected to enable the vision of wireless transmissions towards the region of 1 Tbit/s. Improved channel modelling and the design of appropriate waveforms, baseband processing, medium access control (MAC) schemes and antenna array configurations are addressed.

VIP Water

Vertical Industry Platform - 5G for smart water management

A discussion platform about water management and study of the communication requirements, to assess whether 5G can take us faster and further than existing ICTs.

VIP RAIL

Track-to-Train communications

The focus identifying the potential benefits and hurdles for the future adoption of what today is known as 5G by rail transport systems worldwide Security, reliability, IoT and dependability are playing a focal role in future radio communication systems for efficient train operations and safety.

WGC

New directions in communication architectures and Technologies

Guiding the mobile industry in the use of software, virtualization and cloud computing in future networks (both wireless and wired) by developing end-to-end network architectures, identifying the specific requirements and issues and addressing them by providing solutions that are practical and business driven.

WGD

Radio Communication Technologies

Advanced radio technologies and spectrum issues are investigated, to optimise the design of the air interface, medium access and heterogeneous multi-user, multi-RAT systems and identify trends and impact the wireless evolution towards 5g and beyond.

WG WAI

AI for Wireless Communications

Artificial Intelligence applied to the wireless communications domain is referred to as Wireless Intelligence (WI). This will be in all sub-systems within the wireless ecosystem. WI is expected by the market to not only reduce operational expenditures (OPEX), but also to increase user quality of experience (QoE) as well as help the introduction of new value chains in an increasingly competitive and complex business environment.

VIP CV

Connected vehicles

Focuses on research that looks five to ten years ahead in order to meet the requirements of the automotive and transport industries based on the next generation wireless technology.

VIP EMW

Ehealth, mobile health and wearables

Developing an e/m-Health and wearables vertical industry paradigm to expose the requirements of such systems to be 5G-enabled



Getting involved beyond WWRF41

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- Make sure you are a member!
- Join the email lists for the WGs you are interested in
- Could your project be supported by WWRF?
- Nominate a Fellow?
- Write a book or tutorial for the WWRF series
- Submit your paper for the VTM special issue

