WWRF Meeting 54

Kingston University London, UK

November 4 - 6, 2025

Beyond 6G?
Resilience, Security and Sustainability

WIRELESS WORLD RESEARCH FORUM

Kingston University London

UBITECH

Beyond 6G? As 6G continues to crystallise, promising extremely low latency, terabit-speed connectivity, and seamless integration of AI and digital twins, a new question emerges: What lies beyond? Will there be another Generation, and will it mark a paradigm shift in how we define connectivity, intelligence, and trust in our networks? With 6G poised to meet many societal and technological needs, what voids will remain, and what new research frontiers will open up?

The 54th WWRF Meeting at Kingston University, London invites researchers, visionaries, and policy shapers from around the world to explore the boundaries of what's next. This forum aims to discuss the layered complexities of future communication systems and spark cross-disciplinary research dialogue around emerging challenges. The meeting will serve as a discussion forum for research challenges that anticipate the needs of a hyperconnected, secure, intelligent, and sustainable digital future.

Submit your work and join us for three days of research dialogue, and discovery. Whether you're questioning will there be another "G", envisioning post-6G architectures, or innovating to meet 2030+ societal challenges, this is where future research begins.

Join us to Listen

To world-renowned researchers involved in interactive keynote sessions, panel dialogue, and informative breakout sessions that will challenge assumptions and inspire new ideas.
- Will we need another "G"?
- Can networks truly be sustainable at global scale?
- How do we balance openness, security, and ethics with evolving paradigm shifts?

Topics of Interest Include (not limited to)

Resilience in Future Networks
- Self-organising, self-healing systems
- Communication resilience
- Robustness through distributed intelligence

Security in a Post-6G World
- Post-quantum and zero-trust architectures
- AI-driven threat intelligence and mitigation
- Privacy-aware data sharing in federated systems

Sustainability as a Core Design Pillar
- Carbon-neutral and energy-aware networking
- Bio-inspired network architectures
- Sustainable spectrum and infrastructure sharing

Beyond 6G Enablers
- THz and visible light communication
- AI-native networks and digital twin ecosystems
- Joint sensing, computing, and communication

Visionary Horizons
- Convergence of quantum, biological and communication networks
- Ethical AI and human-centric connectivity
- Harmonising policy, regulation and global sustainability goals

Healthcare Paradigm Shift

Submission Guidelines

Contributors should submit an extended abstract by 29th August 2025 for review. Extended abstracts should preferably be at least one Page two columns in length, in MS Word or Adobe PDF. A template for abstract and submissions details are available in WWRF54 website: https://wwrf-meetings.com

The following list shows the different **WORKING GROUPS (WGs)** and **Vertical Industry Platforms (VIPs)** to one of which the contributions should be directed:

- **WG A: User Needs & Requirements, Services & Devices**
- **WG C: Communication Architectures and Technologies**
- **WG D: Radio Communication Technologies**
- **WG: Cybersecurity**
- **WG HF: High Frequency Technologies**
- **WG: 6G**
- **WG: DTH: Digi-Tel Health**
- **VIP Rail: Track-to-Train Technologies**
- **VIP BM: Future Business Models**
- **VIP CV: Connected Vehicles**
- **WG : Evaluation**

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Publication & Licensing

All accepted abstracts will be presented, and authors will be invited to submit full papers. These will be made available via the Zenodo repository. However, only a selection of the best papers from each session will be invited for submission to the WWRF Journal: Wireless World Research and Trends (WWRT)

Key Dates

Abstract Submission Deadline	29th Aug. 2025
Notification of Acceptance	15th Sep. 2025
Registration	Open from End of July
Final Paper & Copyrights Submission	15th Oct. 2025
Conference Dates	4th to 6th Nov. 2025

Student Grants:

Limited travel grants are available to support student authors. Priority will be given to applicants from WWRF member institutions.

BEST PAPER AWARD: €500 (Full Paper Only).