

9th IEEE Future Networks World Forum — IEEE FNWF 2026

“Self-Evolving Networks for the Whole World: Delivering Trustworthy AI-Native, Sustainable Operations, and Post-Quantum Security”

IEEE FNWF 2026 invites researchers, industry experts, innovators, and practitioners to submit original technical papers presenting cutting-edge advances, breakthrough ideas, experimental results, prototypes, deployment experiences, and visionary perspectives for the next generation of networks.

Join us in Lisbon to help shape trustworthy, AI-native, sustainable, and secure future networks for the whole world.

Important Dates

Paper Submission 25 June 2026– 20 July 2026	Acceptance Notification 18 August 2026– 11 September 2026	Camera-Ready Submission 1 September 2026– 30 September 2026	Conference Dates 26–28 October 2026
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Technical Tracks

1. 6G Architecture and Enabling Technologies AI-native cores; automation; edge/cloud integration; THz; IRS; ISAC; spectrum management.	2. Non-terrestrial Networks (NTN) Satellite, HAPS and UAV networks integrated with terrestrial networks.	3. Deterministic & Ultra-Low-Latency Networking TSN/DetNet; real-time NoC; SDN/IBN; vehicular, optical and wireless optical.
4. Quantum Communications and Networking QKD, quantum internet architectures and ultra-secure communication channels.	5. System Optimization & Autonomics Cross-layer optimization; closed-loop control; digital twins; self-organizing, self-healing and zero-touch networks.	6. Security & Privacy for 5G/6G Adversarial and privacy-preserving ML; post-quantum cryptography; physical-layer security; blockchain trust.
7. Future RAN Design Openness, cloudification, slicing, intelligent RAN architectures, O-RAN, edge and fog computing.	8. Connecting the Un/Under-Connected Affordable, resilient, flexible-spectrum and renewable-powered connectivity for hard-to-reach areas.	9. Sustainable and Green Networking Energy-efficient hardware; dynamic power management; renewable energy; reduced energy and carbon footprint.
10. Applications and Economics of Future Networking Costs, incentives, market design and support for immersive, tactile and metaverse applications.	11. Testbeds, Trials & Experimental Deployments Interoperability; ONAP/O-RAN testbeds; measurements; customized virtual networks and vertical deployments.	Submit Your Work Deadline: 20 July 2026 Official submission instructions and EDAS link are available on the conference website.

Why submit? IEEE FNWF is a leading international forum for future networks, connecting academia, industry, research, standards bodies and public-sector stakeholders around 5G-Advanced, 6G, AI-native systems, NTN, quantum-secure communications, Open RAN, sustainable operations and experimental deployments.

Submission: Submit original technical papers through the official IEEE FNWF 2026 submission system. Follow the IEEE conference paper format, publication policies and official instructions.

Website: <https://fnwf2026.ieee.org/> | Call: [Call for Technical Track Papers](#)

Join us in Lisbon
26–28 October 2026

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