

CommNet'24

The 7th International Conference on Advanced Communication Technologies and Networking

4-6 December 2024, Rabat, Morocco



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The seventh International Conference on Advanced Communication technologies and Networking (CommNet 2024) aims to bring together leading academic scientists, scholars, engineers, and industrial researchers interested in advanced communication technologies and networking. Authors are invited to submit papers that contain original material which is not currently under review in any other conference or journal and has not been previously published. Accepted papers will be submitted for inclusion in the IEEE Xplore Digital Library. Potential research topics include, but are not limited to:

Track 1: PHY and Communication

-Channel Modeling and Estimation

-Free Space Optical Communication

-Fundamentals of Age of Information -Holographic Surfaces and Reconfigurable Surfaces

-Next Generation MIMO and Massive MIMO

-Relaying and Self-Backhauling
-Short Packet and Finite Block Length Communications

-Visible Light Communications

Track 2: Networking, MAC,

-Scheduling and Opportunism

-Edge Computing, Edge Intelligence and Fog Networks

-RAN Data Collection and Storage Enhancement

Optimization for Wireless

-Communication-inspired Machine Learning (ML) for 6G

-End-to-end ML over Wireless Channels

-Beam Management based on ML

-Data-driven Network Modelling and Optimization

Networking Architectures for Artificial Intelligence

-Convex and Non-Convex Optimization for Wireless

-Generative AI -Federated Learning for Wireless Communications

Track 4: Emerging Technologies, Standards, and

-Connected Vehicles and Vehicle

-Molecular and Nano Communications

-E-health and Mobile Health

-Backhaul/Fronthaul Networking & Communicatio

-Wireless Power Transfer Techniques
-Transportation of Electrification

Integration of Renewable Energy

-Industrial Internet of Things
-Al for Sustainable Transportation

-Carbon-neutral communication and computing systems

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Important Dates

PAPER SUBMISSION: October 5th, 2024 CAMERA-READY PAPER: November 22nd, 2024 Paper Acceptance Notification: November 13th, 2024 EARLY BIRD REGISTRATION: November 23rd, 2024

Conference Days: December 4-6, 2024

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Ilham Berrada; ENSIAS, Mohammed V University of Rabat, Morocco

GENERAL CHAIR:

Faissal El Bouanani; ENSIAS, Mohammed V

University of Rabat, Morocco

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