



WS-20: ADVANCED TECHNOLOGY FOR 5G PLUS (AT5G+)

<https://globecom2020.ieee-globecom.org/workshop/ws-20-workshop-advanced-technology-5g-plus-at5g>

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SCOPE

As 5G deployment is accelerating in commercialization deployment at a global scale, it is time to study the enabling techniques for 5G plus which aims to the market of 2025 and beyond. For 5G evolution, eMBB is to be optimized to improve the performance in the areas of throughput increase and power consumption reduction to meet the requirements of the emerging services such as AR/VR. The vertical industry application (such as URLLC and mMTC) will become important area in 5G+ to meet the stringent requirements from industrial IOT, V2X, and massive of connectivity.

This half-day (*Friday morning, 11 December 2020*) workshop provides the opportunity for attendees from both academia and industry to share the views on advanced radio access technologies towards 5G+.

TOPICS OF INTEREST

Topics of interest include, but are not limited to:

- TDD massive MIMO on both low and high frequency bands
- Massive MIMO evolution in both low and high frequency bands
- Intelligent reflecting surfaces (IRSs) for cost-effective wireless networks.
- High-capacity uplink coverage for high-definition video transmission
- Dynamic spectrum sharing within/among operators
- User centric no cell experience (UCNC) with base station cooperation for both downlink and uplink
- Network assisted user cooperation for better performance in capacity, coverage, reliability, power, etc.
- New spectrum identification and channel propagation characteristics
- Low power-consumption operation at both network and UE sides
- Low power, low cost, high accuracy wireless positioning and navigation
- Large capacity URLLC transmission and networking
- Deterministic-delay networks for industrial applications
- Mixed massive connectivity of various types of mMTC devices with heterogeneous rate and latency requirements
- Passive RFID technology and simultaneous wireless information and power transfer (SWIPT) in IoT
- Artificial Intelligence for advanced air interface design

IMPORTANT DATES

Paper Submission Deadline:

Paper Acceptance Notification:

Camera Ready:

14 August 2020 (firm)

15 September 2020

1 October 2020

SUBMISSIONS

Submission link: <https://edas.info/N27535>

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