IEEE GLOBECOM

IEEE Global Communications Conference
4-8 December 2023 // Kuala Lumpur, Malaysia

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Call for paper

2nd Workshop on
Propagation Channel Models and Evaluation Methodologies for 6G

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Xiongwen Zhao, North China Electric Power University, China
Xuefeng Yin, Tongji University, China
Xuesong Cai, Lund University, Sweden
Ziming Yu, Huawei Technologies, China

SCOPE

The goal of the 2nd workshop on Propagation Channel Models and Evaluation Methodologies for 6G is to investigate the up-to-date research on i) wireless propagation channel measurement and modeling and ii) the evaluation methodology required for future 6G application scenarios. Compared to 5G and 5G-Advanced, 6G is envisioned to support considerably larger number of services with frequency from low, middle, to higher frequency bands up to Terahertz band, wider coverage including space-air-ground-sea and more advanced technologies. The workshop will focus on two aspects. First, it will address new challenges for wireless channel modeling due to both new technologies trends and new application scenarios introduced in 6G. Second, it will address the application of these models in the evaluation of candidate technologies and solutions for 6G in the upcoming standardization activities in ITU, 3GPP, etc. The joint efforts from both academia and industry will be the key for achieving these goals.

INVITED SPEAKERS:

Xuefeng Yin, Tongji University, China

Narcis Cardona, UPV, Spain

TOPICS OF INTEREST (*including, but not limited to*)

- Novel channel sounder designs and measurement methodologies to support measurement campaigns for 6G application scenarios.
- Novel channel modeling methodologies for 6G.
- Measurement and channel modeling in frequency band including low-band, mid-band, mmWave, sub-THz, and THz.
- Measurement and modeling of advanced antenna technologies.
- Measurement and channel modeling for integrated sensing and communication.
- Measurement and channel modeling for connected industries and automation.
- Measurement and channel modeling for non-terrestrial network.
- Measurement and channel modeling for connected automated driving.
- Novel evaluation methodologies for 6G.
- New techniques to generate and analyze radio channels.
- Evaluation methodologies for antenna configurations and antenna patterns.
- Novel evaluation methodologies for network deployment.
- Results of simulations and performance testing.

IMPORTANT DATES

Paper Submission Deadline: **15 July 2023**
Paper Acceptance Notification: **1 September 2023**
Camera Ready: **1 October 2023**

SUBMISSIONS

Submission: via EDAS, to be available
Contact: Mate Boban, mate.boban@huawei.com