NGMobile 2021

July 10, 2021 (Tentative)
Washington, DC, USA

IEEE • IEEE computer society

Call for Papers:
The First Workshop on Next-Generation Mobile Networking and Computing (NGMobile 2021)
In conjunction with IEEE ICDCS 2021
July 7 - July 10, 2021 (Tentative)
Washington, DC, USA
https://ngmobile2021.github.io/

As 5G mobile networks are emerging, there are incredible interests by various stakeholders in developing innovative technologies and applications to enhance 5G and/or enable the next generation of mobile networking and computing. These technologies are able to further increase data rate and coverage, improve spectrum efficiency and energy efficiency, reduce latency, enhance network reliability, mobility management, and quality of service through dynamic access of shared spectrum, efficient operation with limited radio and network resources, virtualization of wireless network functions, integration of computation and storage at the wireless edge, and application of AI/ML for new wireless system and architecture design.

This Workshop serves as a forum for scientists and engineers in both academia and industry to discuss their original research work, findings, and experiences on the innovations on next-generation mobile networking and computing.

All accepted and presented papers will be published in the conference proceedings by IEEE and included in the IEEE Xplore.

Topics of interest include, but are not limited to, the following:

• 5G enhancement/6G/next-G mobile networking architectures and protocols • Cloud-RAN and Fog-RAN • Mobile edge/fog computing • Mobile cloud computing • Integration of wireless networking, storage, and computing • Internet of Things (IoT) and machine-type communications • AI/ML for spectrum management, wireless networks and applications.	• Massive MIMO beamforming /NOMA networks • Cognitive radio networks • Software defined radio networks • Wireless network function virtualization (NFV) • QoS/QoE in next-generation wireless networks • Drone/UAV networking • Vehicular networking (V2V/V2I/V2X) • Terahertz wireless communications	• Wireless network security (physical layer, application layer, etc.) • Next-generation spectrum/radio network anomaly, intrusion, and attack detection/prevention • Novel mobile applications and services • Distributed AI/ML over wireless edge networks

Submission Guidelines:

Submitted papers must be original and unpublished, and must not be submitted for publication elsewhere concurrently. All paper submissions should follow the IEEE 8.5″ x 11″ Two-Column Format. Each submission must not exceed 8 pages including references.

Electronic submission site: https://easychair.org/conferences/?conf=ngmobile2021

All submitted manuscripts will be peer-reviewed by the program committee members. Each accepted paper must have at least one author registered and be presented during the conference in order for the paper to be included into the IEEE Xplore digital library.

Important Dates:

- Paper submission: March 5, 2021
- Paper notification: April 10, 2021
- Camera ready: April 20, 2021