



## Information Theory and 5G/6G Mobile Communications

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Deadline for manuscript  
submissions:  
**closed (20 December 2021)**

### Message from the Guest Editors

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

- Information theory applied to 5G/6G communication systems;
- Capacity bounds, code designs, applications;
- AI and machine learning technology applied to 5G and 6G wireless communications to tackle optimized physical layer design, complicated decision making, network management, and resource optimization;
- New interference and resource controls for 5G/6G communication systems;
- New system architectures stemming from the combination of computing, communication, and storage;
- Integration of wireless information and energy transfer;
- Big data technology for 5G/6G wireless networks;
- Novel waveform design and multiple access methods;
- Cell-free massive MIMO for 5G/6G communication systems;
- Holographic beamforming;
- Quantum communications, networks, and architecture;
- Integration of access backhaul networks;
- Breakthrough technologies and concepts.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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