



Quality-of-Experience (QoE) or Quality-of-Service (QoS) in Emerging Networks

Guest Editor:

Dr. Ricky K. P. Mok

CAIDA, University of California,
San Diego, CA 92093, USA

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Message from the Guest Editor

Dear Colleagues,

Over the past three decades, extensive research has been devoted to understanding and enhancing quality-of-service (QoS) parameters across network layers, encompassing network, application, and service realms. This endeavor, driven by a desire to elevate user-perceived quality—commonly referred to as quality of experience (QoE)—has witnessed significant strides.

This Special Issue aspires to curate a compendium of cutting-edge research, unveiling new perspectives on theories, methodologies, and applications of ML/AI in the quest to measure, evaluate, and optimize the QoS and/or QoE of networks and applications.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following topics:

- Artificial intelligence for QoS/QoE
- QoS/QoE for data analytics and machine learning
- QoS/QoE in software-defined networking
- Audio/visual/multimedia user experience
- Crowdsourcing-based QoE measurements
- Sustainability in/through QoE research
- Architectures and protocols for QoS/QoE support

I look forward to receiving your contributions.

Dr. Ricky K. P. Mok
Guest Editor

Special Issue





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Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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