



5G Cooperative Wireless Networks

Guest Editors:

Dr. Panagiotis Trakadas

Department of Ports
Management and Shipping,
National and Kapodistrian
University of Athens, 157 72
Athens, Greece

Prof. Dr. Panagiotis Gkonis

General Department, National
and Kapodistrian University of
Athens, 34400 Psachna, Greece

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Message from the Guest Editors

The increasing demand for even higher data rates compared to current cellular networks, leads scientific progress towards standardization and implementation of fifth-generation (5G) mobile-cellular networks.

Lots of technologies would benefit from a knowledge of accurate locations of mobile terminals (MTs). In cooperative localization, device-to-device (D2D) communications remove the need for all MTs to be connected to multiple base stations (BSs), and, thus, long-range BS transmissions are replaced with multi-hop communications among the densely located MTs.

Apart from physical layer design aspects, another area posing significant challenges in 5G-LTE networking is NFV/SDN management. In particular, this challenge is related to intermittent connectivity between the management and orchestration (MANO) platform and the radio access nodes

This Special Issue is seeking high-quality submissions that highlight emerging applications and address recent breakthroughs in the design and implementation of advanced cooperative transmission and networking algorithms in the context of 5G networks.





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Prof. Dr. Willy Susilo

School of Computer Science and
Software Engineering, University
of Wollongong, Northfields
Avenue, Wollongong, NSW 2522,
Australia

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