

Special Issue

Experimentation in 5G and beyond Networks: State of the Art and the Way Forward

Message from the Guest Editors

As defined by the 3rd Generation Partnership Project (3GPP) standards in the Release 15 specifications, only recently has the first phase of the 5th Generation (5G) of cellular systems started to be deployed worldwide. Each country, based on its own needs and local market requests, has decided on its own deployment roadmap of 5G services. This ongoing first phase of deployment will be followed by enhanced versions of the standards in the following years. In parallel with the commercial rollout, the capability to experiment and validate the planned new features, thanks to data-driven analyses based on field trials and measurements, is of extreme interest to the whole 5G ecosystem. These analyses make it possible to identify correlations between deployment choices and achievable 5G key performance indicators (KPIs), while guiding towards system optimization and enhancement. This Special Issue aims to collect original contributions on experimental aspects of 5G and beyond networks and systems. For more information, please click: mdpi.com/si/57500.

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