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Security and Privacy Challenges in 5G Networks

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Message from the Guest Editors

In traditional mobile communications networks, the major goal is to enrich people's life through communication. Users may communicate with each other through text messages, voice calls, video calls or shared images, surf the Internet or access app/social media services via smart phones. However, 5G is no longer limited to individual users. It is not just about having a faster mobile network or having richer features in a smartphone. In the future, 5G will also provide services for vertical industries, and various new services, such as smart transport, smart manufacturing, health care, and smart homes, will emerge from this. As open network platforms, 5G networks raise serious concerns around security and privacy issues. Therefore, in order to ensure that various enterprise applications can run smoothly in the 5G environment, it is urgent and challenging to explore the security solutions required by various commercial applications and find solutions that can reduce privacy leakage...



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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