# Special Issue

# Toward Next-Gen Secure Millimeter-Wave Radar Sensors

### Message from the Guest Editors

The recent advancements in humanlike sensing technologies have paved the way for smart technology in various sectors of day-to-day living such as healthcare, infrastructure, and the automobile industry. Among the various sensing modalities such as cameras and Lidars, millimeter-wave radars offer a competitive advantage due to their low cost, small form factor, all-weather performance, and ability to be installed behind support structures. Unmodulated and modulated continuous-wave (CW) radars are widely used due to their ability to measure the target's range, velocity, angle-of-arrival (AoA), and size (radar cross-section). Aided by machine learning techniques, CW radars are also used to classify different objects. With the aggressive push toward automation and connected infrastructure in the Internet-of-Things (IoT) era, millions of radars are deployed in various applications. This Special Issue highlights research work that addresses the vulnerability of millimeter-wave radars to various electronic countermeasure (ECM) scenarios, and the progress in radar hardware and signal processing techniques to effectively counter any ECM threats.

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### Deadline for manuscript submissions

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