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Radar Remote Sensing on Life Activities

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Deadline for manuscript submissions:
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Message from the Guest Editors

Non-contact remote sensing of life activities, such as respiration, heartbeat, hand gestures, sleep and walking based on radar sensors has attracted a lot of interest from both academia and industry in recent years. Using radar sensors, researchers have been exploring novel applications including indoor tracking, monitoring of vital signs, security surveillance, gesture recognition, and occupancy detection. Various radar sensors from bench-top systems to silicon on-chip integration have been widely reported. The operation frequency of these radar sensors ranges from a few MHz to sub-THz. Advanced algorithms such as machine learning and blind signal separation have also been adapted for radar-based life activity sensing. While the rapid advancements in radar remote sensing technologies have shown great promise in improving life quality, there still exist significant challenges to be solved.

We invite manuscripts for this forthcoming Special Issue in all aspects regarding radar remote sensing on life activities. Both reviews and original research articles on systems, hardware, or algorithms are welcome. If you have ideas to discuss before submission, please feel free to contact us.

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Message from the Editorial Board

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