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Body-Centric Sensors for the Internet of Things

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Message from the Guest Editors

With the advent of the IoT, body-centric sensors can now interface directly to the internet. Multiple sensors can be deployed on a same person, mitigating shadowing of the radio waves by the human body. Sensor fusion techniques can be employed to obtain richer or more reliable measurements, or cooperative communication can be used in order to increase the reliability or throughput of the communication. The new Bluetooth 5.1 standard now allows Angle of Arrival (AoA) as well as Angle of Departure (AoD) capabilities and is one example of emerging technologies that will shape the future of wireless sensing. In these systems, the sensor and its wireless connectivity can often be seen as a whole and its limits depend only on the imagination of the developers.

- body-centric
- wearables
- Internet of Things (IoT)
- wireless sensor networks (WSN)
- radio propagation
- angle of arrival (AoA)
- 5G

Deadline for manuscript submissions:

closed (31 December 2021)



mdpi.com/si/48293



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Message from the Editor-in-Chief

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