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Advances in Sensors for Intelligent Personalized Monitoring and Therapy

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Message from the Guest Editor

Dear Colleagues,

Personalized diagnostics and therapy, sometimes called individualized or precision medicine (PM), is an advancing field in research and medicine, that depends on non-intrusive monitoring and specialized informative sensor signals. Because an increasing need of patient specific data limits the advances and applicability of the emerging developments, such as digital twin approaches combined with system identification, we aim to collect the newest advances in research that builds on sensors for use in medical applications, their intelligent use and signal analysis. Application specific calibration techniques or situation specific active maneuvers for information gain are equally welcome as novel attempts of integrating devices with their embedded sensors into clinical workflows and demonstrating their medical benefits.

Therefore, topics of interest include, but are not limited to, the following:

- Sensors and sensor fusion for intelligent monitoring;
- Sensors for digital twin approaches;
- Active generation of sensor-based information driven by medical needs.



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Prof. Dr. Knut Möller
Guest Editor

Special Issue



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Message from the Editor-in-Chief

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