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Sensors for Human Physical Behaviour Monitoring

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Message from the Guest Editors

The understanding and quantification of free-living physical behaviours are important not only for determining the relationship between these behaviours and health but also in planning interventions and developing public health messages. Physical behaviour comprises free-living activities whose patterns reflect the response to a range of factors and constraints. These can be external influences (e.g., from vocational or environmental), health-related, or free choice. It is proposed that the type of activities (with their associated movements) and the choice of when these are performed, i.e., their patterns in time, are the building blocks of free-living physical behaviour. Using a range of body-worn and environmental sensors, we can now robustly classify an increasing number of these activities (lying, sitting, standing, walking, car transportation, cycling etc.).

Deadline for manuscript
submissions:

closed (15 December 2022)

- physical behaviour
- physical activity
- sedentary behaviour
- free-living
- postural transitions
- accelerometers
- gyroscopes
- barometers
- magnetometer validation
- machine learning



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Special Issue



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Message from the Editor-in-Chief

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