

Title: Data-driven behavior analytics of wearable devices and sensors (DBAWS)

The widespread adoption of wearable devices and monitors has led to a significant increase in the amount of data related to human behavior, health, and performance. Physiological information, movement data, and environmental data are just some of the data that can be collected by wearable devices and sensors. Insights into individual behavior, health, and performance can be gained by examining these statistics. Wearable devices and monitors equipped with data-driven behavioral analytics software have the potential to revolutionize many different industries, including medicine, sports science and engineering. The purpose of this invited session is to explore current developments and challenges in data-driven behavioral analysis of ubiquitous devices and sensors with researchers and practitioners from a variety of disciplines, including healthcare, education, smart city and engineering computing. This session will concentrate on the following subjects, but not limited to:

- Predictive analytics for disease diagnosis and treatment using wearable devices and sensors.
- Real-time monitoring of vital signs using wearable devices and sensors.
- Privacy and security issues in the use of wearable devices and sensors in healthcare.
- Data-driven personalized learning using wearable devices and sensors.
- Student behavior and performance analysis using wearable devices and sensors.
- Adaptive education systems using wearable devices and sensors.
- Energy-efficient smart homes using IoT devices and sensors.
- Integration of smart home systems with renewable energy sources.
- Intelligent transportation systems using IoT devices and sensors.
- Intelligent traffic management using data analytics and machine learning.
- Urban planning and design using data-driven approaches.

Important Dates:

Submission Deadline: 15th June 2023

Notification: 15th August 2023

Camera-ready: 1st Sep 2023

Conference: 6th-8th Oct 2023

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