



Call for Papers: 1st Workshop on Human-Centric Ubiquitous Sensing and Computing for Health (Hush)

Health is a fundamental aspect of our lives that influences our well-being, productivity, and longevity. The advent of ubiquitous sensing has opened up new possibilities for monitoring and managing health. Ubiquitous sensing leverages a variety of sensors, often embedded in our everyday environments and devices, to collect a wealth of data about our physical state, behaviors, and surroundings. The Human-Centric Ubiquitous Sensing and Computing for Health (HUSH) workshop represents a significant stride in health technology, underscoring the importance of designing health sensing and computing systems centered around the needs, behaviors, and contexts of the individuals they serve. By harnessing the power of ubiquitous sensing and computing, HUSH aims to provide personalized, adaptive health monitoring and support. This approach has the potential to revolutionize how we understand and manage health, enabling more proactive, preventive, and personalized care.

The HUSH initiative is dedicated to tackling these challenges through interdisciplinary collaboration, innovative thinking, and rigorous research and development.

Topics of interest include but are not limited to:

- Multi-modal Sensing and Learning: Exploration of signals from multiple modalities and the enhancement of learning strategies for health monitoring.
- Context-Aware Sensing and Learning: Comprehension and utilization of context information through ubiquitous sensing to improve health monitoring.
- Adaptive Interfaces: Development of interfaces that can adapt to the health status of users.
- Interventions: Design of novel interventions for health management through ubiquitous sensing and computing.
- Privacy and Security: Design of privacy-preserving paradigms or learning frameworks to protect information privacy and security.
- On-Device Deployment: Efficient model deployment on resource-constrained devices.

Submission details

We will accept papers (6 pages) excluding the references in the double-column format. All manuscripts should be formatted in the [IEEE Computer Society Proceedings Format](#), and submitted in the Portable Document Format (.pdf). All papers should be submitted via the conferences' EDAS system. Authors should register with the EDAS system first, and then make the submission via the conference link <https://edas.info/N32635> from which you can navigate to individual conference or workshop or forums associated to that conference. Make sure you select the right conference, track, workshop or Forums for your paper.

Important Dates

- August 20, 2024 AoE Submission Deadline

- September 15, 2024 AoE– Notification of Acceptance
- October 15, 2024 AoE – Camera-ready
- December 02-07, 2024– Workshop Date

Chairs:

Hong Jia, University of Melbourne, Australia

Yongquan Hu, University of New South Wales, Australia

Yang Liu, University of Cambridge, UK

Jianbo Ma, Dolby, Australia

Ting Dang, University of Melbourne, Australia