

COMMON-WEARS 2022

The 1st International Workshop on COMMunity-OrieNted WEARrable computing Systems

In conjunction with 7th IEEE Cyber Science and Technology Congress (CyberSciTech 2022)
Sept. 12-15, 2022, Calabria, Italy

CALL FOR PAPERS

Gartner estimates the global smart wearable computing systems (WCS) market will be worth more than US\$93 billion in 2022, with an increasing growth caused by the COVID-19. The industry and public sector are then pushing for innovative WCS solutions with high levels of dependability and trustworthiness that can efficiently operate in increasingly complex scenarios. Great strides have been made to realize WCS for the 24/7 monitoring of single users based on 3-tier architectures involving wearables, edge, and cloud systems. However, new requirements, specifically targeting cooperative multiple users, demands for radically new approaches, promote the development of novel models and architectures for next-generation community-oriented wearable computing systems. The goal of the workshop is therefore to bring together a community of researchers and practitioners who study problems at the intersection of cooperative wearable computing systems, cyber science, data science, and hyper-intelligence.

TOPICS:

Workshop suggested topics include, not exhaustively, empirical and theoretical studies of the following:

- Wearable computing systems (WCS)
- Integration of WCS and IoT systems
- Formal models for (run-time) verification of WCS
- Programming Paradigms for collective intelligence and wearables
- Deep learning for WCS
- Information fusion for WCS
- Networking for WCS
- Security, privacy, and trust in WCS
- Applications of WCS in smart environments (health, pandemic, logistics, transports, manufacturing, emergency, military, etc.)

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Important Dates

Submission Due: **June 1, 2022**

Authors Notification: **July 1, 2022**

Camera-ready: **July 15, 2022**

Submission:

All accepted papers will be published by IEEE in Conference Proceedings (IEEE-XPIore and EI indexed).

[Link](#)