Special Issue

Ubiquitous Computing and Applications in Digital Healthcare Systems

Message from the Guest Editors

Ubiquitous computing is transforming healthcare through mobile and wearable devices, IoT systems, and ambient intelligence, enabling real-time health monitoring, adaptive diagnostics, personalized care. These technologies improve patient outcomes, enhance accessibility, and empower individuals in health management. This Special Issue, “Ubiquitous Computing and Applications in Digital Healthcare Systems,” highlights cutting-edge research leveraging ubiquitous computing to address challenges in healthcare delivery and management. It fosters interdisciplinary collaboration between computer science, engineering, and healthcare research.

Topics include: mobile and wearable sensing for health monitoring; real-time adaptive diagnostics; intelligent algorithms for personalized analytics; ambient intelligence in healthcare; privacy-preserving health data methods; IoT-enabled remote monitoring; LLMs for digital healthcare; multimodal data fusion for physiological insights; human-computer interaction; emerging wearable materials; real-world long-term studies; ethical deployments in underserved communities; conversational agents and AR/VR applications.

Guest Editors

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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