Special Issue

Innovation in AI-Based Wearable Devices

Message from the Guest Editor

Artificial Intelligence (AI) Techniques have generated significant changes in many Activities of Daily Living (ADL). It is vital to integrate AI technologies into wearable devices, which are accessories that can comfortably be worn on the body. In medical applications, AI technologies are used in the diagnosis of medical activities and tasks, as well as in drug discovery. Wearable AI-based devices may empower data-driven decision-making, automate tasks, and personalise daily activities and experiences, improving efficiency and precision. Natural language understanding and computer vision technologies based on AI technologies revolutionise communication and visual data interpretation. Wearable AI-based medical systems and sensors can measure body temperature, heartbeat, blood pressure, sweat rate and other physiological parameters of the person wearing the medical device. Wearable AI-based devices may provide efficient scanning and sensing features not offered by mobile phones and laptop computers. One of the main goals of wearable AI-based medical systems may be to increase disease prevention. By using more wearable AI-based medical devices.

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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.

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