Special Issue

Computer Vision and Machine Learning for Biometric Systems

Message from the Guest Editors

Recent advances in computer vision, machine learning, and image processing have significantly improved biometric systems, enhancing their accuracy, robustness, and scalability. This Special Issue invites cutting-edge research on leveraging these technologies to develop and evaluate biometric modalities such as face, iris, fingerprint, voice, and gait recognition. We welcome contributions on novel algorithms, optimized architectures, and real-world deployment challenges, including performance in constrained environments, security risks, and ethical concerns. Topics of interest include multimodal fusion, domain adaptation, edge/IoT integration, privacy-preserving techniques, and regulatory frameworks. By uniting researchers, practitioners, and industry experts, this Special Issue seeks to advance biometric technologies and explore future directions for secure, reliable authentication systems.

Guest Editors

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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