Emerging Applications of Computer Vision Technology

Guest Editors:

Dr. Gary A. Atkinson
Centre for Machine Vision, Bristol Robotics Laboratory, Department of Engineering Design and Mathematics, Faculty of Environment and Technology, University of the West of England, Bristol, UK

Dr. Mark F. Hansen
Centre for Machine Vision, Bristol Robotics Laboratory, Department of Engineering Design and Mathematics, Faculty of Environment and Technology, University of the West of England, Bristol, UK

Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

The last two decades have seen the transformation of computer vision from a fledgling scientific discipline with just highly specialised applications into a ubiquitous source of new technologies that are starting to transform our everyday lives. Much of this recent explosion of developments and application areas is due to the powerful capabilities of convolutional neural networks (CNNs). Another key reason is the vastly reduced cost and better accuracy of novel sensing hardware, such as hyperspectral technologies, high-speed/high-precision 3D data capture, and cameras sensitive to polarised light. The combined advances in CNNs and hardware afford a step change in application areas of computer vision.

The purpose of this Special Issue is to disseminate research papers or state-of-the-art surveys that pertain to novel or emerging applications in the field of computer vision. Papers may contribute to application areas that have emerged during the past decade or may relate to new subdomains of long-standing applications.

mdpi.com/si/85363

Special Issue

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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 guestedited by leading experts in selected topics of interest.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.
Journal Rank: JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Contact Us