

Special Issue

Deep Power Vision Technology and Intelligent Vision Sensors: 2nd Edition

Message from the Guest Editors

Deep power vision technology is the application of deep learning-based computer vision technology in power systems. The electric power system is a key national infrastructure, and its safe and stable operation is linked to the national economy and people's livelihoods, as well as the sustainable development of society. At present, an increasing number of inspection images and videos are obtained through vision sensors on helicopters, unmanned aerial vehicles, and robots. In order to improve the efficiency of power inspection and ensure the safe and stable operation of the electric power system, it has become a necessary to apply computer vision and deep learning to visually process the goals and defects of power plants, transmission lines, substations, and distribution lines in electric power systems. This Special Issue is to provide a platform for the exchange of research, technical trends, and practical experience related to deep power vision technology and intelligent vision sensors. We are soliciting original papers of unpublished and completed research that is not currently under review by any other conference/magazine/journal.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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