Applications, Challenges and Promises of Computer Vision and Digital Imaging Processing

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Message from the Guest Editors

Dear Colleagues,

Computer vision has recently experienced a significant increase in its overall adoption, ranging from facial recognition used in smartphones to navigation in self-driving vehicles. Part of this success can be attributed to the integration of techniques from other areas such as Artificial Intelligence (AI) within the field of Image Processing.

Real-world applications demand new ideas and techniques that solve practical problems. Consequently, this Special Issue is intended to present innovative solutions in this field, from their conception and analysis to their implementation.

Topics of interest for this Special Issue include but are not limited to the following:

- Low-Level Vision Techniques
- Detection, Recognition, Classification and Localization in 2D/3D
- Shape estimation
- 3D and Multiview processing and sensors
- Motion and Tracking
- Image and Video Understanding
- Image/Video Synthesis and Generative Models
- Integration of AI techniques

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Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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