CALL FOR PAPERS

ELMAR 2017 Special Session

Computer Vision for New Emerging Applications

Summary:

How can computers understand the visual world of humans? Humans can tell the shape and translucency of each element on the picture effortlessly, this however is hard for computers. This section covers the computer vision application in newest applications – from medical, automotive, industry to economic activities.

The need for more precise and faster image analysis, dissection and recognition is needed and the newest achievements in computer vision are depicted in this section. Detailed image analysis can be used for better condition analysis of certain parts of human body, for enhanced people management software – like face recognition for access entry, etc. The computer vision has application in all parts of everyday life, only it has to be used in a proper way.

The topics for this special session should cover (but are not limited to):

- Image processing
- Feature detection and matching
- Segmentation
- Feature-based alignment
- Dense motion estimation
- Computational photography
- 3D reconstruction
- Image-based rendering
- Recognition

Submission:

Authors should prepare their papers according to ELMAR-2017 paper sample, convert them to PDF (based on IEEE requirements), and submit them by May 1, 2017 to irena@etfos.hr.

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