

IET Computer Vision

Call for Papers

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SPECIAL ISSUE ON: Computer Vision in Cancer Data Analysis

Editor-in-Chief: Professor Majid Mirmehdi, University of Bristol, UK

This Special Issue will present state-of-the-art computer vision methods in cancer data analysis. Recent progress in imaging hardware, acquisition techniques, and algorithmic processing of data has led to advances in detection, diagnosis, staging, treatment, and follow-up in cancer-related clinical workflows, as well as fundamental understanding of cancer modelling and dynamics. Cancer imaging includes varied modalities, and numerous scales including nano, micro, and macro. The Special Issue will be dedicated to technical advances that have potential for clinical relevance, and seeks to bring together a collection of recently developed approaches in this domain. We hope the methods presented will inspire future research both from theoretical and practical viewpoints to spur further advances in the field.

The topics of interest include, but are not limited to:

- Segmentation in cancer imaging: from nano to macro
- Tracking of cells in metastasis and migration processes
- Registration of cancer images
- Histopathology image analysis
- Modelling of cancer cells, vasculature and cancerous processes
- Image-based interventional techniques for cancer treatment
- Tissue characterisation from images
- Machine learning in medical imaging for detection, diagnosis, and cancer staging

All papers must be submitted through the journal's Manuscript Central system:
<http://mc.manuscriptcentral.com/iet-cvi>

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