International Conference on Image Processing Theory, Tools & Applications

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CALL FOR PAPERS: Special Session

Abnormal Cells Detection Using Advanced Neural Networks and Continuous Learning

Despite advances in abnormal cells detection, proposed neural network models see their performance drop drastically when dealing with new types of data. Hence, it is still possible to improve techniques of detection.

The aim of this special session is to bring the latest advances for the detection of abnormal cells using the latest advances in computer vision methods and especially neural network techniques as well as continuous learning strategies.

The topics of this special session include the application of continuous learning in (but not limited to):

- Cells image segmentation

- Machine learning for cells detection

- Continuous learning for cells detection

- Computer vision methods for cells detection

- Recognition strategies in cells detection

- Computer aided diagnostic for cells detection

- Statistical and modelling approaches for cells detection

- Signal processing approaches for cells detection

- Health and medical application

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