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Abstract	
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SPECIAL ISSUE: Computer Aided Analysis of Microscopic Images and Microscopic Image Processing (MIP)

Microscopic images play an essential role in detection and diagnosis of numerous diseases. For example, analysis of histology images of the human tissue biopsies remains the most reliable way of diagnosing and grading cancer. On the other hand, there is significant inter- and intra-rater variability in the grading and diagnosis of cancer from histology slides by human experts. Computational histopathology can assist the pathologists in making the grading and diagnosis reproducible, by providing useful quantitative measures from histology images of a patient suspected or diagnosed of having cancer. Similarly, in cellular biology live cell fluorescence imaging made possible by the rapid advances of fluorescent microscopy and opened new avenues for microscopic image processing. It is possible to give many similar examples.

This special issue is intended as a forum in the emerging area of microscopic image processing. Any topic related with microscopic image processing is eligible for the special issue.

Submission deadlines and expected decision dates:

- Submission of manuscripts: March 15, 2014
- First acceptance/rejection notification: May 1, 2014
- Revised manuscripts due: July 1, 2014
- Final acceptance/rejection notification: September 1, 2014
- Publication of the special issue: December 1, 2014

Signal, Image and Video Processing (SIVP) seeks high quality research papers for this special issue. Authors should submit their manuscripts electronically, by the deadline above, following the instructions in http://www.springer.com/engineering/signals/journal/11760 and http://www.editorialmanager.com/sivp/ and indicating in the cover letter that the manuscript be considered for the special issue on Microscopic Image Processing (MIP). Articles received after the due date will be reviewed, but may not be reviewed in time for inclusion in the special issue. Accepted papers not included in the special issue will be published in regular issues of SIVP. Authors intending to submit articles are encouraged to discuss their submissions with the Guest Editors.

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