

CALL FOR PAPERS

XIAMEN, CHINA

DECEMBER 16~18, 2012

OVERVIEW

The rapid development of computer vision, pattern recognition and machine learning has had enormous impact on processing and interpretation of remotely sensed data. There is still a lot of room for improvement in these areas. CVRS2012 is to serve as an international forum to bring together researchers and practitioners to discuss cutting-edge research on computer vision, pattern recognition and machine learning and their applications in remotely sensed data processing. CVRS2012 will expose participants to the most recent developments in this exciting interdisciplinary area.

CVRS2012 details can be found in <http://cvrs2012.xmu.edu.cn>.

TOPICS

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

Innovated algorithms:

- Automated feature extraction
- Object extraction
- Point cloud processing
- 3D scene reconstruction
- Spatio-temporal data fusion
- Range image processing
- Photogrammetric computer vision
- Multi-scale segmentation
- Support Vector Machine classifiers
- Random forest classifiers
- Marked point process extractors

Novel Applications:

- Traffic surveillance and monitoring
- Transportation infrastructure inventory
- Oil spill detection and tracking
- Coastal zone change detection
- Marine waters monitoring
- Renewable energy mapping
- 3D infrastructure modeling
- Mapping with SAR and LiDAR
- Hazard monitoring
- Cultural heritage documentation
- Global change studies

SUBMISSION

CVRS 2012 invites authors to submit original and unpublished work. All accepted papers will be included in the IEEE digital library and indexed by EI. Authors of top quality accepted papers will be invited to submit extension versions, which will be considered in an international journal special issue (SCI indexed).

IMPORTANT DATES

- Full-paper submission due: **June 1, 2012**
- Camera-ready paper: **September 1, 2012**
- Notification of acceptance: **July 1, 2012**
- Conference: **16-18 December 2012**

COMMITTEES

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