

Call for Papers

PIA11 - Photogrammetric Image Analysis

October 05-07, 2011

Munich, Germany

<http://www.pia11.tum.de>

Scope:

Automated extraction of objects from remotely sensed data is an important topic of research in Computer Vision, Photogrammetry, Remote Sensing, and Geoinformation Science. This joint conference of ISPRS working groups I/2, III/1, III/4 and III/5 held at Technische Universitaet Muenchen (TUM), discusses recent developments, the potential of various data sources, and future trends in automatic object extraction both with respect to sensors and processing techniques. The focus of the conference lies on methodological research.

Conference Topics:

- 2d and 3d object extraction, e.g.
 - Building reconstruction and 3d City Modeling
 - Roads extraction, vehicle detection and traffic monitoring
 - Vegetation extraction and classification
 - People detection and crowd analysis
- using sensors
 - Digital cameras (visible, near and thermal infrared)
 - LiDAR (multi pulse and full waveform)
 - Radar (SAR, InSAR, PolSAR)
- on platforms
 - Spaceborne (satellites)
 - Airborne (aircrafts, UAVs)
 - Mobile (cars, robots, hand-held)
 - Terrestrial (outdoor, indoor, close-range)
- Surface modeling and reconstruction
- Surveillance and change detection
- Learning and statistical methods for object extraction
- Automated sensor orientation and calibration
- Tracking in image sequences and videos
- Ego-motion determination for navigation and scene reconstruction
- Sensor and data fusion including information from GIS and CAD

Paper Submission:

Prospective authors are invited to submit a full paper of maximum 6 pages. These papers will undergo a rigorous double blind review process. Accepted papers will be published as printed proceedings as well as on CD. The type of presentation (oral or interactive) will be decided by the program committee and will be dependent upon the subject of the paper and the way it fits to the overall program.

Authors who intend to present application oriented work that is in particular suitable for interactive presentation may submit an extended abstract. In case of acceptance by the program committee, these authors are invited to submit a full paper which will be published on CD.

Conference Venue:

The conference will be held in Munich, the capital of Bavaria, and will be hosted by the Department of Photogrammetry and Remote Sensing, Technische Universitaet Muenchen (TUM). The workshop site is located at TUM, close to the museum district, and in walking distance to the main station and center of Munich.

Keynote Speakers:

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- Prof. Dr. Daniel Cremers
Convex optimization methods for computer vision
 - Prof. Dr. Horst Bischof
Exploiting redundancy for reliable aerial computer vision

Important Dates:

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| - Submission of fill papers | April 30, | 2011 |
| - Notification of authors | June 10, | 2011 |
| - Submission of camera ready manuscripts | June 30, | 2011 |
| - Author registration deadline | June 30, | 2011 |
| - JURSE 2011 | October 5-7, | 2011 |

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Photogrammetric Image Analysis
5-7 October 2011, Munich, GERMANY
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