

MSF15

IEEE/ISPRS 2nd Joint Workshop

'Multi-Sensor Fusion for Dynamic Scene Understanding' in conjunction with IEEE CVPR2015

First Announcement and Call for Papers

Date: June 12, 2015

Location: Boston, Massachusetts, USA

Web site: <http://www.sfpt.fr/msf15/>

Scope:

The fusion of dynamic 2D/3D multi-sensor data has not been extensively explored in the vision community. MSF 2015 workshop will encourage interdisciplinary interaction and collaboration from computer vision, remote sensing, robotics and photogrammetry communities, that will serve as a forum for research groups from academia and industry. There has been ever increasing amount of multi-sensory data collections, e.g. KITTI benchmark (stereo+laser), from different platforms, such as autonomous vehicles, surveillance cameras, UAVs, planes and satellites. With emphasis on multi-sensory data, we hope this workshop will foster new research direction in the computer vision community. Submissions are invited from all areas of computer vision and image analysis relevant for, or applied to, scene understanding. This workshop will focus on multi-sensory dynamic spatial information fusion from stereo sequences, visual and infrared sequences, video and lidar sequences, stereo and laser sequences, etc. Indoor applications are also welcome to submit.

Workshop topics:

- Object detection and tracking
- Motion segmentation
- Image sequence registration
- Dynamic scene understanding
- Security/surveillance
- Vision based robot/drone navigation
- Multi-modal fusion of sensory information
- Multi-scale fusion
- Low-level processing of different sensors
- 3D scanning sensors, laser and lidar systems
- 3D object recognition and classification
- Large scale issues
- Applications to robotics

Organised by

- ISPRS WG III/3 'Image Sequence Analysis'

General Chairs:

- Kim Boyer, Rensselaer Polytechnic Institute, USA
- Christian Heipke, Leibniz University Hannover, Germany

Program Chairs:

- Alper Yilmaz, The Ohio State University, USA
- Clément Mallet, IGN, France
- Michael Ying Yang, Leibniz University Hanover, Germany
- Yury Vizilter, State Research Institute of Aviation Systems, Russia

Preliminary programme committee

- Daniel Cremers, TU Munich, Germany
 - Uwe Franke, Daimler, Germany
 - Jürgen Gall, University of Bonn, Germany
 - Xiaojin Gong, Zhejiang University, China
 - Valérie Gouet, IGN, France
 - Helmut Mayer, Bundeswehr University Munich, Germany
 - Bodo Rosenhahn, Leibniz University Hannover, Germany
 - Bahman Soheilian, IGN, France
 - Jan Wegner, ETHZ, Switzerland
 - Martin Weinmann, KIT Germany
- (Others are to be announced)

Paper Submission:

High-quality papers covering one or more of the above topics should be submitted electronically using the CMT site on the conference web site. Authors are invited to submit full papers for a **double blind** review process. The papers should be prepared according to the CVPR guidelines for preparing manuscripts and should not exceed 8 pages (excluding references) in length. Accepted papers will appear in the CVPR Workshop proceedings, and will be available in IEEE Xplore.

Important dates:

Submission of full papers	March 26, 2015
Notification of authors	April 18, 2015
Submission of camera ready manuscripts	May 6, 2015
Workshop (half day)	June 12, 2015