

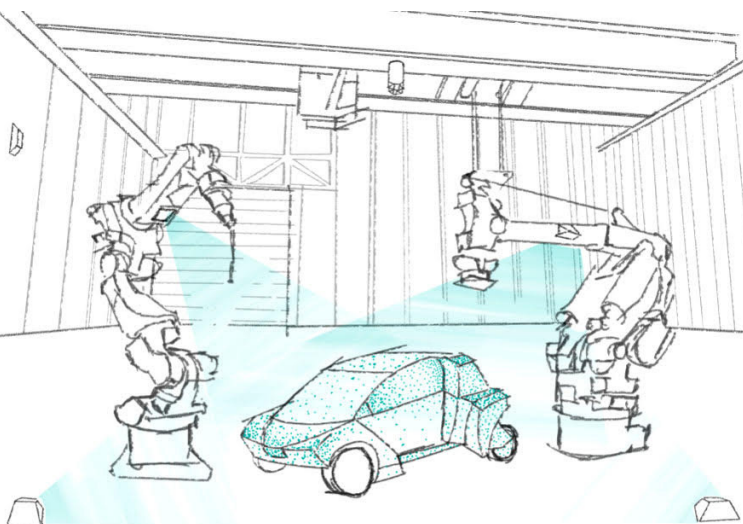
Scope and topics

ISPRS SPEC3D focuses on various emerging topics on novel sensors, data processing and analysis, thematic information extraction, and geospatial solutions, including (but not limited to):

1) New aspects of sensors, systems and calibration: spectral imaging, LIDAR, micro-LIDAR and -RADAR, low-cost 3D sensors, different platforms (aerial, UAV, robotic, mobile, portable, etc.), and geometric and radiometric sensor and system calibration.

2) Processing and interpretation requirements for novel spectroscopic and 3D data, including aspects of automation, fast response and real-time processing, georeferencing, radiometric calibration, multisource data fusion, multitemporal and video data analysis, time-series and change detection, context awareness, big data, and crowd sourcing.

3) Geospatial solutions utilizing the new sensors and data, such as mapping and monitoring in natural and built environments, forestry and agriculture, biodiversity, industrial and civil applications, robotics, and virtual and augmented reality.



Contact

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Web: www.mit.jyu.fi/scoma/spec3d/

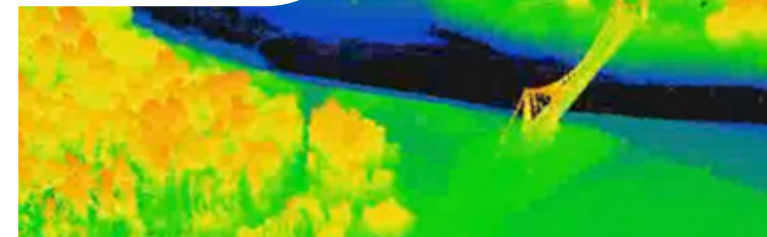
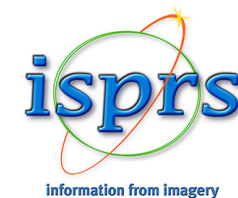
Venue

Frontiers in Spectral imaging and 3D Technologies for Geospatial Solutions –workshop is held in Agora Building at University of Jyväskylä's Mattilanniemi Campus (Mattilanniemi 2). The building is situated in a scenic position by Lake Jyväsjärvi, within easy walking distance from the main hotels and travel centre. The auditoriums, meeting rooms and university restaurant are all under the same roof.

Organized by

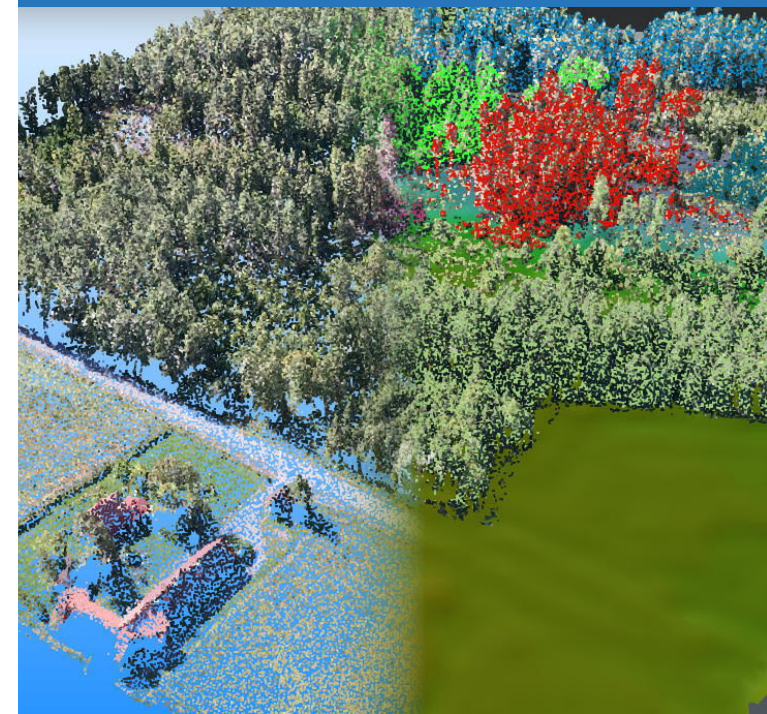


National Technical
University of Athens



Frontiers in Spectral imaging and 3D Technologies for Geospatial Solutions

October 25-27, 2017, Jyväskylä, Finland



mit.jyu.fi/scoma/spec3d/

Event background

Spectral imaging and 3D sensor technologies have developed explosively in recent years for a variety of geospatial applications. The integration of multi-modal information both in 2D and 3D enables the automation of several processing, analysis and interpretation tasks based on spatial, spectral, temporal features. New cutting-edge hardware and software solutions have a significant impact on current challenging geospatial applications. To this end, this 3-day workshop (ISPRS SPEC3D) will gather together top scientists and leading industry partners to share the state-of-the-art and their vision for future advances.

The main objectives of ISPRS SPEC3D include (but are not limited to): 1) to share knowledge of development trends in spectral and 3D sensing technologies, 2) to highlight any requirements for future developments in the data processing technologies, 3) to discover new prospects in exploiting the current emerging technologies in existing and new application fields, and 4) to improve knowledge transfer and cooperation between the industry and research/academia. The program will include several keynotes from leading, influential, recognised scientists, demos and presentations from the industry, as well as oral and poster presentations after peer review.

ISPRS SPEC3D is jointly organized by the ISPRS working groups

- » WG III/4: Hyperspectral Image Processing
- » WG III/1: Thematic Information Extraction
- » WG I/5: New 3D Sensors for Metrology and Industrial Vision
- » WG I/1: Multi- and Hyperspectral Sensing

Scientific committee

- » Eija Honkavaara, Finnish Geospatial Research Institute, Finland (Chair)
- » Baoxin Hu, York University, Canada (Co-chair)
- » Harri Kaartinen, Finnish Geospatial Research Institute, Finland (Co-chair)
- » Konstantinos Karantzalos, National Technical University of Athens, Greece (Co-chair)
- » Xinlian Liang, Finnish Geospatial Research Institute, Finland (Co-chair)
- » Rupert Müller, German Aerospace Center (DLR), Germany (Co-chair)
- » Ilkka Pölönen, University of Jyväskylä, Finland (Co-chair)
- » Petri Rönholm, Aalto University, Finland (Co-chair)
- » Helge Aasen, ETH Zurich, Switzerland
- » Jean-Baptiste Féret, National Research Institute of Science and Technology for Environment and Agriculture, France
- » Juha Hyypä, Finnish Geospatial Research Institute, Finland
- » Nilton Imai, Universidade Estadual Paulista, Brazil
- » Anttoni Jaakkola, Finnish Geospatial Research Institute, Finland
- » Antonio Tommaselli, Universidade Estadual Paulista, Brazil
- » Costas Armenakis, York University, Canada
- » Jorge Centeno, Federal University of Parana, Brazil
- » Daniele Cerra, German Aerospace Center (DLR), Germany
- » Boris Jutzi, KIT – Campus South, Institute of Photogrammetry and Remote Sensing, Germany
- » Jiangui Liu, Agriculture and Agri-Food Canada, Canada
- » Dimitris Manolakis, MIT Lincoln Lab., USA
- » Fabio Remondino, Bruno Kessler Foundation, Italy
- » Marcos Sirota, SigmaSpace Co., USA
- » Peter White, Canada Center for Mapping and Earth Observation, Canada
- » Qinghua Guo, Institute of Botany, The Chinese Academy of Sciences, China
- » Johan Holmgren, Swedish University of Agricultural Sciences, Sweden

Submission

Prospective authors are invited to submit an extended abstract with a maximum of 500 words according to ISPRS guidelines (orange book). Abstracts will be peer reviewed and if accepted, authors will be invited to submit a regular paper.

The full papers will be published in the Archives series of ISPRS. They should be prepared according to ISPRS guidelines (orange book) with a maximum length of 6 pages. Only papers for which at least one author has paid the registration by August 15, 2017 will be published in the proceedings.

Email address for submissions will be announced later.

Important dates

Abstract submission	10 May 2017
Announcement of accepted abstracts	30 May 2017
Early registration	15 July 2017
Last date for author registration	15 August 2017
Full paper submission	15 August 2017
Announcement of Symposium program	15 September 2017

Fees

Early fees	Delegates 350 €, students 250 €
Late fees	Delegates 450 €, students 350 €

The fees will include: electronic proceedings, attendance at all the scientific sessions, coffee breaks, lunches, receptions and banquet.

Travel info

Jyväskylä Region can be reached easily by road, rail and air. The biggest international airport is situated in Helsinki, Vantaa. Several flights operate daily from Helsinki to Jyväskylä and take about 45 minutes.

More travel information:

www.mit.jyu.fi/scoma/spec3d/travelinfo.html