

Workshop on Evaluation and Benchmarking of Sensors, Systems and Geospatial Data in Photogrammetry and Remote Sensing

WARSAW 16-20.09.2019

Joint events organized in Warsaw University of Technology and University of Warsaw:

Workshop on Evaluation and Benchmarking of Sensors, Systems and Geospatial Data in Photogrammetry and Remote Sensing, 16-17 September 2019, Warsaw University of Technology

VOLTA - innoVation in geOspatial and 3D daTA Summer School, 18-20 September 2019, University of Warsaw

ANNOUNCEMENT

The wide variety of sensors and systems available on the market for collecting spatial data makes the evaluation of provided information, calibration of sensors and benchmarking of systems and 3D data a critical task. It is also an important scientific issue for many professionals. In daily work, the assessment of tools for collecting spatial data resources is a crucial issue for National Mapping and Cadastral Agency officers and all professionals handling geospatial data. This Workshop is therefore appropriate for potential attendees who want to extend their knowledge in the fields of photogrammetry and remote sensing.

Organizers:



International Society for Photogrammetry and Remote Sensing ISPRS
Commission I WG I/10 in cooperation with Commission II



European Spatial Data Research EuroSDR

Warsaw University of Technology

Warsaw University of Technology,
Faculty of Geodesy and Cartography



University of Warsaw,
Faculty of Geography and Regional Studies

Supporters



Association of Polish Surveyors



Polish Head Office of Geodesy and Cartography

For who?

- **Scientists** – to promote and announce your benchmarks, exchange your experience
- **NMCA representatives** – to get know new trends in sensor and geospatial data
- **Industry representatives** – to share your experience, to promote your solutions
- **PhD Students and students** – to gain experience during workshop, to publish your research and participate eventually in summer school

General topics

- Validation of sensors and systems: methods, results
- Proposals for benchmarks considered for ISPRS/EuroSDR to be released
- Geometric calibration of sensors and systems
- Radiometric calibration of sensors
- Evaluation and comparison of geospatial data
- Influence of errors caused by sensors/systems in received data
- Other topics of relevance to the subject of the Workshop and Summer School

Information for Authors

All of abstracts submitted for Workshop will be reviewed and published in ISPRS Archives of Photogrammetry, Remote Sensing and Spatial Information Systems. All participants of the workshop are invited to prepare at least one conference paper submitted to be considered by scientific committee for publication during workshop in oral or eventual poster session (depending on number of submissions). Submitted abstract of 1000 words should also content title, authors, their affiliation and e-mail address. Submissions can be related to evaluation of sensors, systems, geospatial data. **Submissions can summarize achieved results of past, present current benchmark and future benchmarking proposals which can be described in ISPRS Archives.** [More info >>](#)

Important dates

28.06.2019	Early-bird deadline registration for Workshop
31.07.2019	Deadline for abstract and benchmark proposals
17.08.2019	Notification and abstract acceptance
28.06.2019	Deadline of application for Summer School
02.09.2019	Workshop paper submission deadline (ISPRS Archives)

Workshop registration fees

	Before 28.06.2019	After 28.06.2019
€ 100	regular attendees early bird	€ 150 regular attendees
€ 50	students and summer school attendees	€ 100 students and summer school attendees

[Registration >>](#)

Preliminary program of Workshop

September 16, 2019 - Workshop Day 1

9.00 - 10.00 Registration
10.00 - 10.15 Workshop Opening
10.15-11.35 Keynote presentations:

Dr. Gottfried Mandlburger

“Comparison of Single Photon and waveform LiDAR”

Dr. Isabella Toschi

“Airborne oblique imaging: towards the hybrid era”

11.35 - 12.00 coffee/tea break
12.00 - 13.30 Session #1 – Past benchmarks of sensors, systems and 3D data
13.30 - 14.30 lunch
14.00 -15.30 Session #2 – Validation of sensors and systems: methods, results #1
17.30 - 19.00 Social trip in Warsaw Old Town
19:00 - 22.00 Ice-breaker

September 17, 2018 - Workshop Day 2

8:30 - 9:00 News from INTERGEO 2019
9.00 - 10.30 Session #3 - Evaluation and benchmarking of geospatial data
10.30 - 11.00 coffee/tea break
11.00 - 12.30 Session #4 - Validation of sensors and systems: methods, results #2
13.00 - 14.00 lunch
14.00 - 16.00 Session #5 - Benchmarks releases – presentations and discussions
16.00 - 16.30 Closing of Workshop

Scientific Committee

Chair	Prof. Zdzisław Kurczyński	Warsaw University of Technology, Poland
Chair	Dr Fabio Remondino	Bruno Kessler Foundation, Italy / EuroSDR / ISPRS
V-ce chair	Prof. Ralf Reulke	German Aerospace Center, Germany / ISPRS
V-ce chair	Prof. Jon Mills	Newcastle University, Great Britain / EuroSDR

[more members >>](#)

Organizing Committee

Organizing committee

Chair	Dr. Krzysztof Bakuła	Warsaw University of Technology, Poland
Chair	Prof. Bogdan Zagajewski	University of Warsaw, Poland
V-ce chair	Dr. Dorota Iwaszczuk	Technical University of Munich, Germany
V-ce chair	Dr. Markéta Potůčková	Charles University in Prague, Czech Republic

[more members >>](#)

Summer School

This edition VOLTA Summer School is related to hyperspectral data, which is organized just after the Workshop (additional registration required). It is targeted at PhD Students, Masters Students, National Mapping and Cadastral Agency Officers, and other professionals working with image and range-based sensors collecting remote sensing data, either as separate sensors or in integrated systems. Summer school is organized within VOLTA project [more about Summer School >>](#)

Information about workshop and summer school can be found at
<http://ptfit.sgp.geodezja.org.pl/workshop2019/index.html>

Contact:

workshop.gik@pw.edu.pl