Program of the Workshop
September 16, 2019 - Workshop Day 1
Warsaw University of Technology, Koszykowa 75, Warsaw, Poland, room 101, 1st floor

9.00 - 10.00  Registration
10.00 - 10.15  Workshop Opening
10.15-11.00  Keynote presentation with discussion
Dr. Gottfried Mandiburger
“Evaluation of Single Photon and waveform LiDAR”
11.00 - 11.15  coffee/tea break
11.15-12.00  Keynote presentation with discussion
Dr. Isabella Toschi
“Airborne oblique imaging: towards the hybrid era”
12.00  Photo of workshop attendees
12.00 - 13.00  Lunch – Main Hall of Warsaw University of Technology
13.00 - 15.00  Session #1 – Evaluation and benchmarking geodata and algorithms
K. Bakuła, J. P. Mills, F. Remondino
“Review on benchmarking in photogrammetry and remote sensing: preface”
E. Özdemir, I. Toschi, F. Remondino
“A multi-purpose benchmark for photogrammetric urban 3D reconstruction in a controlled environment”
A. Frenzel, N. Deckers, R. Reulke
“Quantitative comparison between neural network- and SGM-based stereo matching”
G. Gabara, P. Sawicki
“Test field Kortowo for testing photogrammetric products accuracy – design and first evaluation”
15.00 - 15.20  coffee/tea break
“Multi-Sensor Aviation Diagnostic Station For Inventory of Forest Areas”
15:40 – 16:00  Sponsor’s presentation: P. Nørgård – Hexagon / Leica Geosystems
“Choose the best LiDAR technology for the size of your projects”
17.30 - 20.00  Social trip in Warsaw Old Town:
Program: Tomb of the Unknown Solider, Presidential Palace, A. Mickiewicz monument, Chopin's benches and walk through the streets of old city: King Sigismund's Column, Royal Castle, St. John's Cathedral, Old Town Square with monument of Warsaw Mermaid, house of birth Mary Skłodowska Curie, defensive walls with Barbican.
20.00 - 24.00  Ice-breaker Dinner in Podwale 25 Restaurant
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Session #2 – Evaluation of data quality

W. Izdebski, A. Andrzejewski, A. Bober
“Requirements for photogrammetric data collected in national geodetic and cartographic resource”

W. Ma, Y. Zhao, P. Zhang, S. Dong, F. Luo, C. Liu, X. Wu
“Research on quality supervision and spot checks technology for nationwide large-scale topographic maps in China”

P. Wiącek, K. Pyka
“The test field for UAV accuracy assessments”

Coffee/tea break

Main Sponsor’s presentation: Radomir Bałazy – Gispro Sp. z o.o.

Session #3 - Evaluation and benchmarking sensors and systems

D. Iwaszczuk, Z. Koppanyi, J. Pfrang, C. Toth
“Evaluation of a multi-sensor system for seamless outdoor and indoor mapping”

A. Warchol
“The concept of LIDAR data quality assessment in the context of BIM modeling”

K. Bakuła, T. Kogut, W. Ostrowski
“A concept for LIDAR sensors benchmarking”

Lunch – Main Hall of Warsaw University of Technology

Sponsor’s presentation: Jan Konieczny – Vexcel

Sponsor’s presentation: Joanna Mleczko – MGGP Aero

Coffee/tea break

Session #4 – Evaluation of sensors and geodata in selected applications

A. Abramowicz, R. Chybiorz
“Fire detection based on a series of thermal images and point measurements: the case study of coal-waste dumps”

M. Cavur, H.S. Duzgun, S. Kemec, D. C. Demirkan
“Land use and land cover classification of Sentinel-2A: St. Petersburg case study”

G. Kuc, J. Chormański
“Sentinel-1 and sentinel-2 data fusion for mapping and monitoring imperviousness in urban areas”

Closing of Workshop