GEOMATIK

Bachelor of Science
Master of Science

HCU HafenCity Universität Hamburg

Terrestrial Laser Scanning, new Geodetical Sensors and UAV

Combined surveys with laser scanner and UAV

12th - 22th september 2017

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The course provide students with the ability to project and implement laser scanning and UAV technology. To achieve this aim, the course is based on the project teaching methodology.

This work is done within the following projects: HAR2015-65649-C2-2-P (MINECO/FEDER) and S2015/HUM-3377(CAM/FEDER)

TOPICS

- Methods and project planning
- Determination of position and orientation
- Register and transformation
- Laser scanner: Reference points and scanning
- UAV: Reference points, flight plan
- Registration: Adjustment and final coordinates
- UAV Data processing, orthophoto

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