Hochschule für Technik Stuttgart
University of Applied Sciences
Photogrammetry and Geoinformatics

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Invitation to the Master Thesis seminar (MSc course 2017 – 2019)

To all Professors, staff members of the Faculty of Geomatics, Computer Science and Mathematics

To all Master Degree Students

Time schedule:

Thursday, February 21, 2019 Room 2/264			
Time	**Name**	**Title Master Thesis**	**Supervisor**
8:30		Visualization of Electric Energy Demand using Web-based GIS	Schröder
9:00		Rain gauge network assessment using Geostatistical approach	Schröder
9:30		A Geoportal for HFT-Evaluation, Design and Implementation of a Prototype	Schröder
10:00		Development of algorithm and GUI for crop analysis	Schröder
10:45		Cloud Based Spatial Analysis using Node.js and MongoDB	Schröder
11:15		Location Based Services (LBS): Frameworks and Services	Behr
11:45		Database Transformation, Cadastre Automatic Data Processing in QGIS and Implementation in Web GIS	Behr
13:30		Evaluation and implementation of a web-based 2D /3D visualisation for Smart Building control	Uckelmann
14:00		Sensor data integration for Smart Villages - A case study of a plus energy district in Wüstenrot	Coors
14:30		Automatic Classification and Data Extraction from Aerial Image	Coors
15:15		A comparison of advanced classification methods for land use changes investigation in HaNoi, Vietnam	Hahn
15:45		An Investigative Study and Evaluation of Low Quality Particulate Matter Sensors/Monitoring	Hahn
16:15		A Comparative study on RGB Indices and RF Classifications between UAV and Satellite Imagery	Hahn
16:45	**End**		

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Friday, February 22, 2019		**Room 2/264**	
Time	**Name**	**Title Master Thesis**	**Supervisors**
9:00		Photo Session	Schröder
10:00		Damage detection in urban areas via Sentinel-1 imagery	Hahn
10:30		Estimation of Aerosol Optical Densities using Sentinel Imagery	Hahn
11:00		Ensemble Relearning for Building Type Classification with Remote Sensing Data	Hahn
11:45		Investigation of Change Detection using Sentinel-1 Data for Identifying Illegal Occupations Upon Government Land in Hong Kong	Hahn
12:15		Crack detection using Machine Learning	Hahn
12:45		Hyperspectral LWIR lithological mapping of vertical outcrops using artificial neural networks	Hahn
13:15	**End**		

Administrative Organization

The Schedule is based on a **20 minutes** presentation and **10 minutes** discussion.
It is expected that all material is installed **before** the session on the presentation computer. Students take care on availability of laptop, beamer and cables and their return.
The participation is **mandatory** for all master thesis students for the **whole time**.