Date: 29 november 2018
Time: 09:30 - 17:20 uur
Location: WUR Wageningen, Building 102 Forum, Droevendaalsesteeg 2 Wageningen
Registration: required: **info@ncgeo.nl**

The programme of the NCG symposium has several themes:

1 The Baarda lecture
2 Machine learning
3 Application focusses, Point Clouds and Photogrammetry
4 GNSS and SDI/Governance
5 SAR

The contents:

09.30		**Registration**/coffee/thea
10.00	Room C0222	**Opening** by the chair of the NCG prof.dr.ir. Arnold Bregt
10.05	Room C0222	**Annual Baarda lecture** by prof. Timothy Dixon of the School of Geosciences of the University of South Florida. Title: "Geodesy Serving Society: Geodetic Applications in Natural Hazards and Climate Change Research".
11.00		**Transfer** to the presentation rooms
11.05		**Abstract presentations** in C0222, C0318, C0321 and C0326 (see time scedule below)
12.10	Nearby C0222	**Lunch**
13.00	Room C0222	**The Tienstra Award** will be handed out by dr. ir. M. Tienstra (son of)
13.15	Room C0222	**Presentation** by the winner of the Tienstra Award
13.45		**Transfer** to session rooms
13.50		**Abstract presentations** in C0222, C0318, C0321 and C0326 (see time scedule below)
15.05	Nearby C0222	**Coffee/thea break**
15.45		**Abstract presentations** in C0222, C0318, C0321 and C0326 (see time scedule below)
16.45		**Closure** of the presentations
16.50		**Refreshments in the Grand Café in building Forum**
17.20		**Closure**

The presentations (every presentation lasts 15 minutes!);

Time	Institute	Author	Abstract Title
		Machine learning in room C0222	
11:10	WUR	Mathieu Laroze	Active Learning to Assist Annotation of Aerial Images in Environmental Surveys
11:25	WUR	Benjamin Kellenberger	Adapting a Deep Learning-based Animal Detector to Unseen Data
11:40	TUD	Mingxue Zeng	Building classification of vhr airborne stereo images using fully convolutional networks and free training samples

11:55	ITC	Rosa Aguilar	Cloud-Based Multi-Temporal Ensemble Classifier to Map Smallholder Farming Systems
13:50	WUR	Dainius Masiliunas	Comparison of machine learning algorithms for large-scale land cover fraction estimation
14:05	ITC	Azar Zafari	Crop Classification of Worldview-2 Time Series using Support Vector Machine (SVM) and Random Forest (RF)
14:20	TUD	Mario Soilán	Deep learning approaches for ground classification of 3D point clouds
14:35	WUR	Sylvain Lobry	Deep Learning Models to Count Buildings in High-Resolution Overhead Images
14:50	WUR	Diego Marcos	Rotation and scale equivariant neural networks for earth observation
15:45	ITC	Yaping Lin	Semantic façade segmentation from airborne oblique images
16:00	ITC	Sander OudeElberink	Fully Convolutional Networks for Ground Classification from Airborne Laser Scanner data
16:15	ITC	Fashuai Li	The detailed interpretation of pole-like street furniture in mobile laser scanning data
16:30	TUD	Weixiao GAO	Contextual classification of 3D textured meshes for urban scene interpretation

Application focusses, Point Clouds and Photogrammetry in room C0318

11:10	ITC	Claudia Stöcker	Data quality assessment of UAV-based products for land tenure recording in East Africa
11:25	ITC	Caroline Gevaert	Unsupervised semantic change detection in informal settlements using UAV imagery
11:40	TUD	SilviaMaria Alfieri	Monitoring and forecast of crop water requirements and water use: highlights of the MOSES project
11:55	TUD	Lorenzo Iannini	Radar Remote Sensing for Crop Mapping: First Aid or Definitive Care
13:50	TUD	Elyta Widyaningrum	Building Roof Outlines Extraction from Airborne LiDAR Point Cloud using Hough Transform
14:05	WUR	Kalkidan Mulatu	Estimation of biodiversity relevant forest structure parameters using a multi-sensor and multi-scale remote sensing approach
14:20	ITC	Samar Karam	Optimal Configuration of Scanners Mounted on Backpack Indoor Mobile Mapping System
14:35	TUD	Adriaan van Natijne	The necessity of an extended error model for AHN
14:50	WUR	Benjamin Brede	UAV Laser Scanning for Geometric Tree Modelling in Forestry
15:45	TUD	Kaixuan Zhou	Integrated approach of change detection and update on Airborne LiDAR data using VHR images
16:00	TUD	BIBI van der Horst	Automated photogrammetry of outcrops with MicMac
16:15	ITC	Sophie Crommelinck	Towards Automated Cadastral Boundary Delineation from UAV data
16:30	ITC	Phillipp Fanta-Jende	Utilising aerial oblique imagery to solve mobile mapping positioning issues in GNSS-denied environments

GNSS and SDI/Governance in room C0321

11:10	TUD	Dimitrios Psychas	Assessment of ionospheric corrections for PPP-RTK using S-system theory
11:25	NIOZ/TUD	Karen Simon	Glacial Isostatic Adjustment Models: Assessing Performance and Uncertainty
11:40	TUD	Nicolai Nijholt	GNSS observations in the Sulawesi region of SE Asia
11:55	TUD	Erik Oudejans	Real-time GNSS Single-frequency PPP for moving platforms
13:50	TUD	Warakan Supinajaroen	Governance of Continuously Operating Reference Station, Global Navigation Satellite System (CORS GNSS)
14:05	TUD	Bujar Nushi	In dialogue with the SDI stakeholders - Towards the final set of the STIG Principles and indicators to assess SDIs
14:20	NGI Belgie	Rink Kruk	New Generation of flexible public services in Belgium – the geospatial case
14:35	WUR	Jaap Willem Sjoukema	Spatial Data Infrastructures and Adaptive Governance
14:50	TUD	Agung Indrajit	Common Operating Map from Open Spatial Information Infrastructure
15:45	TUD	Jurjen Kamphuis	Integrated Geodetic Reference Stations for INSAR and GNSS
16:00	TUD	Hongyang Ma	Troposphere augmentation for real-time precise point positioning
16:15	TUD	Han Dun	Positioning based on OFDM signals though phase measurements

SAR in room C0326

11:10	TUD	Marcel Kleinherenbrink	Application of fully-focused SAR altimetry to the Wadden Sea
11:25	TUD	Fengming Hu	Change Detection in Urban Construction Area using ATS Multi-temporal InSAR Method
11:40	TUD	Floris Heuff	Detecting dewatering of peatland pastures using Sentinel-1 satellite radar interferometry
11:55	ITC	Ling Chang	Identification of deformation pattern changes caused by enhanced oil recovery using satellite radar interferometry

13:50	TUD	Joost Driebergen	Improving InSAR point density on dikes using full information from the coherence matrix
14:05	TUD	Lars Keuris	Increased spatial resolution through swath processing of CryoSat-2 L1b altimetry data
14:20	TUD	Gert Mulder	Performance of atmospheric noise reduction methods for PS-InSAR deformation estimates over the Groningen gas field
14:35	TUD	Weiran Li	Potential of synthetic aperture radar for monitoring meltwater dynamics on Antarctic ice shelves
14:50	TUD	Ehsan Karimishahmarvandi	Simulation of Bistatic SAR data of ocean surfaces in preparation for the STEREOID mission
15:45	TUD	Thore Kausch	Surface mass balance changes along an ice rise in East-Antarctica from ground penetrating radar and regional climate models, compared with Sentinel-1 backscatter
16:00	TUD	Lorenzo Iannini	Swarm-SAR: a Dutch mini-satellite radar formation concept
16:15	TUD	Hao Zhang	Using Capon/APES Based SAR Reprocessing Algorithms to Increase PSC Density in PSI
16:30	ITC	Anurag Kulshrestha	Characterization of Oil Spills using L-band polarimetric UAVSAR data

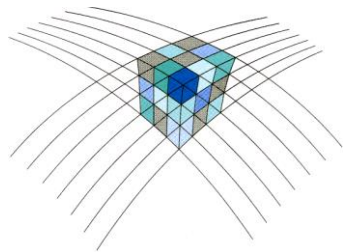You can enroll for the event via **info@ncgeo.nl** , quoting your name and organization.

The closing data for enrollment is 1 november 2018.

The registration is ranked and full = full.

Best regards on behalf of the Board of the NCG,

Ir. S.R. Dijkstra

Ambt. Secr. St. NCG

NCG

Nederlands Centrum voor Geodesie en Geo-informatica (NCG)