



## GIMethods 2020

PhD Colloquium, 1 October 2020, online event



Hosts: DGPF Division Geoinformatics; DGK Division on Geoinformatics  
Convenors: Jun.-Prof. Dr. R Westerholt, Dr. FB Mocnik, Prof. Dr. B Höfle, Prof. Dr. JH Haurert

- 09:00–09:20 Welcome Address with Georg Bareth (U Cologne)
- 09:20–10:00 **J Gray** (U Leeds)  
Creating a neighbourhood change index: the underpinning methodology
- 10:00–10:40 **HC Haacke** (HU Berlin)  
Agent-based modelling for analysing spatiotemporal segregation of the elderly in cities
- 10:40–11:00 **L Zhang** (TU Dortmund)  
The job accessibility and affordable housing in Shanghai
- 11:00–11:20 COFFEE BREAK
- 11:20–12:00 **L Winiwarter** (U Heidelberg)  
Improving surface change detection by rigorous error modelling in 4D point clouds
- 12:00–12:40 **K Anders** (U Heidelberg)  
Spatiotemporal segmentation of topographic surface changes using time series of 3D point clouds
- 12:40–13:00 **M Voelsen** (U Hannover)  
Automatic change detection and update of high-resolution topographic databases using Sentinel-2 imagery
- 13:00–14:00 LUNCH BREAK
- 14:00–14:40 **S Abolhasani** (HU Berlin)  
Developing game-theoretic decision-making frameworks for simulating spatiotemporal dynamics of landuse change in Tehran, Berlin
- 14:40–15:20 **S Wolff** (HU Berlin)  
Multiscale trade-off analysis of agricultural landscape structure, diversity and management
- 15:20–15:40 COFFEE BREAK
- 15:40–16:00 **M Zahtila** (TU Dresden)  
Methods of visual comparison for analysing social media data
- 16:00–16:20 **F Maiwald** (TU Dresden)  
Orientation of historical images in four-dimensional environments for spatiotemporal analysis