**Short CV Marco Heurich**

Dr. Marco Heurich is a senior researcher at the Department of Conservation and Research of Bavarian Forest National Park. The topic of his doctoral thesis was the evaluation of lidar for forest inventory. He holds a MS in Geographical Science and Systems form the University of Salzburg and a BS in Forestry from the University of Applied Science in Freising. His research interests lie in remote sensing and its applications in forest ecology and in wildlife ecology and management. Heurich has published more than 66 ISI journal articles with a h-index of 13 and 15 book chapters .He is a postdoctoral lecturer at the University of Freiburg, Faculty of Environment and Natural Resources, teaching wildlife management in national parks and research in wildlife ecology. He received a scholarship for highly gifted students from Friedrich-Naumann-Stiftung and is the recipient of the Lennart-Bernadotte-Preis für Landespflege.

Selected publications:

1. Lausch, A., Heurich, M., Gordalla, D., Dobner H.-J., Gwillym-Margianto, S. and Salbach C. (2013) Forecasting potential bark beetle outbreaks based on spruce forest vitality using hyperspectral remote-sensing techniques at different scales. Forest Ecology and Management. 308. 76-89.

2. Yao W., Krzystek P., M. Heurich (2012) Tree species classification and estimation of stem volume and DBH based on single tree extraction by exploiting airborne full-waveform LiDAR data. Remote Sensing of Environment. 123, 368-380.

3. Heurich, M. (2008): Automatic recognition and measurement of single trees based on data from airborne laser scanning over the richly structured natural forests of the Bavarian Forest National Park. Forest Ecology and Management. 255 (2008) 2416–2433.