

Guang Zheng
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EDUCATION:

Sept. 2007 to Current Ph.D. Student, (Resource Management) College of Forest Resources, University of Washington, Seattle. Awarded the Precision Forestry Co-operative Graduate Assistantship for 2007/2008 academic year
Sep. 2004 - June 2007 M.S., Cartography & GIS, Nanjing University, Nanjing, China
Sep. 2000 - June 2004 B.E., Urban Planning, Nanjing Forestry University, Nanjing, China.

WORK EXPERIENCE:

09/2007 – Current Graduate Research Assistant, Remote Sensing and Geospatial Analysis Laboratory, College of Forest Resources, University of Washington. Research duties include working on methods of extracting forest inventory parameters and Leaf Area Index from aerial and ground based Lidar.

CONFERENCE PROCEEDINGS PAPERS AND PRESENTATION:

Guang ZHENG and L. Monika Moskal, 2008. Forest inventory characterization from ground based LiDAR. Submitted and accepted to the Proceedings of the 2008 annual American Society for Photogrammetry and Remote Sensing meeting in Portland OR, April-May 2008.
Guang ZHENG and L. Monika Moskal, 2008. Retrieving Leaf Area Index and Net Primary Productivity based on ground-based LiDAR and ASTER images. Submitted and accepted to the Proceedings of the 2008 annual International Society of Photogrammetry and Remote Sensing congress in Beijing, China, July 2008.

PEER REVIEWED PUBLICATIONS:

Guang ZHENG, Jing-ming CHEN, Qing-jiu TIAN, Weimin JU, Xueqi XIA. 2007. Combining remote sensing imagery and forest age inventory for biomass mapping. *Journal of Environmental Management*, 85(3) p: 616-623.
Guang ZHENG, Qing-jiu TIAN, Ming-shi LI. The Greenbelt Dynamic Monitoring of Nanjing Based on ETM+ Remote Sensing Images. 2005, 5: 21~24. *Remote sensing Information* (in Chinese).
Qingjiu TIAN, Jingming CHEN, Guang ZHENG, Xueqi XIA, Junying CHEN, 2006. Quantitative retrieving forest ecological parameters based on remote sensing in Liping County of China. *Proc. SPIE Vol. 6359, 63591I*.
Feng ZHANG, Guang ZHENG, Ronglin CAO, 2006. The study on the spatial development of a city based on remote sensing images. *Remote sensing information*, 4:31-34 (in Chinese).

PUBLICATIONS IN PREPERATION:

Guang ZHENG and L. Monika Moskal, Review of retrieving Leaf Area Index based on the remote sensing data: theory, method and sensors (in preparation for *Journal of Forestry*, expected to Submit in the spring 2008).

PROFESSIONAL MEMBERSHIP:

- Student Member - American Society for Photogrammetry and Remote Sensing
- Student Member - Puget Sound American Society for Photogrammetry and Remote Sensing Student Chapter and Geospatial Technologies Club

OTHER PROFESSIONAL ACTIVITIES:

Taken part in the Sino-Canada cooperative project named “Confronting Global Warming: enhancing China’s capacity for Carbon sequestration”, which is led by Prof. Jing-ming CHEN, University of Toronto (<http://www.utoronto.ca/cccs2002/>). In this project, my group adjusted and employed the BEPS (Boreal Ecosystem Productivity Simulator) model, which is an ecological model to estimate the NPP (Net Primary Productivity) at different scales (regional or local scales) using remote sensing data as inputs, to calculate the NPP of our study areas in China to understand the role of land use change in China’s carbon cycle. As part of the project I visited the University of Toronto for one month from September to October in 2005 to learn about carbon cycling research.