Rongxia (Tiffany) Li

CONTACT INFORMATION	School of Forest Resources +1 706 372 5078 University of Maine li.rongxia@umit.maine.edu Orono, ME 04473

RESEARCH INTERESTS

Forest mangament and biometrics, including forest growth and yield modeling, operations research in forest planning, GIS applications in forestry.

EDUCATION

the University of Georgia, Athens, GA, USA

Ph.D. in Forest Management, 2007.12.

- Dissertation: *Integration of GIS Techniques and Heuristic Algorithms to Address Spatial Forest Planning Issues in the Southern U.S.*
- Advisors: Dr. Pete Bettinger, Dr. David Newman, Dr. Marguerite Madden and Dr. Nathan Nibbelink

the University of Georgia, Athens, GA, USA

M.Sc. in Statistics, 2007.05.

Beijing Forestry University, Beijing, China

M.Sc. in Forest Management, 2003.06.

- Thsis: *Development and Implementation of Geographic Information Systems for Natural Forest Protection in Wangqing County in China*

Beijing Forestry University, Beijing, China

B.Sc. in Information Management, 2000.06.

PROFESSIONAL EXPERIENCE

- Postdoctoral Research Associate, School of Forest Resources, the University of Maine, Orono, ME. 2008.05 – present
- Graduate Research Assistant, Warnell School of Forestry and Natural Resources, the University of Georgia, Athens, GA. 2004.08. - 2008.04.
- Software Engineer / Lecturer, SuperMap GIS Technologies Inc., Beijing, China. 2003.07. - 2004.07.
- Assistant Engineer, State Forestry Administration, Beijing, China. 2002.04. - 2002.10.

TEACHING EXPERIENCE

- Guest Lecturer, Aerial Photogrammetry in Forestry (FORS 7650), Graduate, the University of Georgia, 2005
- Guest Lecturer, Spatial Information in Natural Resources (FORS 3910), Undergraduate, the University of Georgia, 2006
- Teaching Assistant, Timber Management (FORS 4620/6620), Graduate/Undergraduate, the University of Georgia, 2006-2007
- Instructor, E-Commerce, Undergraduate, Beijing Commerce Institution, 2002
- Guest Lecturer, Introduction of Computer Science, Undergraduate, Beijing Forestry University, 2002

PUBLICATIONS

Li, R., and A. Weiskittel. 2009. (in press) Development and evaluation of regional taper and volume equations for the primary conifer species in the Acadian Region. Annals of

Forest Science.

Shan,Y., P. Bettinger, and **R. Li**. 2008. Lessons learned from assessing the cost of adjacency and green-up rules on forest harvesting options. In Natural Resources: Economics, Management and Policy. White, J.R., and W.H. Robinson (eds.). Nova Science Publishers, Inc. Hauppauge, NY. 225-235.

Li, R., P. Bettinger, S. Danskin, and R. Hayashi. 2007. A historical perspective on the use of GIS and remote sensing in natural resource management, as viewed through papers published in North American forestry journals from 1976 to 2005. Cartographica 42 (2).

Bettinger, P., J. Zhu, and **R. Li**. 2007. Additional insight into the performance of a new heuristic for solving spatially constrained forest planning problems. Silva Fennica 41(4).

Li, R. 2003. GIS implementation for natural forest protection in Wangqing County. Forest Resources Management 2003 (2).

Non-Refereed Publications

Li., R. 2007. Evaluation of the wildfire ignition risk by the aid of fuzzy logic. UCGIS 2007 Summer Assembly.

Li, R., P. Bettinger, and K. Boston. 2007. Influence of various heuristic moves on the development of solutions during the early, middle, and final stages of the solution generation process. Symposium for Systems Analysis in Forest Resources. University of Arkansas - Monticello.

Weiskittel, A., **R. Li**, S. Hein, and U. Kohlne. 2009. Long-term trends of several Douglas-fir provenances in southwestern Germany: Implications for climate change. Forest Research Institute of Baden-Wrttemberg. Freiburg, Germany. 38 p

Conference Posters

Li, R. and A. Weiskittel, Sep. 29, 2008 Development and Evaluation of Regional Taper and Volume Equations for the Primary Conifer Species in the Acadian Region. 2008 Maine EPSCoR State Conference

Li, R., A. Weiskittel, L. Kenefic, and J.Brissette. March 17-20, 2009 Long-term influence of early respacing treatments on stand attributes in a northern conifer stand of central Maine New England Society of American Foresters (NESAF) 2009 Annual Winter Meeting. Portland, Maine.

Conference Presentations

Li., R. and A. Weiskittel. "Regional variation in dominant height growth for balsam fir and red spruce in Maine", Oct 10-11, 2008, 4th Biennial Eastern CANUSA Forest Science Conference, Orono, Maine.

Li., R., P. Bettinger and A. Weiskittel. "Comparisons of three different methods used to generate forest landscapes for spatial harvest scheduling problems with adjacency restrictions", May 26-29, 2009, 13th Symposium on Systems Analysis in Forest Resources, Charleston, SC.

Li., R. and A. Weiskittel. "Development and evaluation of regional taper and volume equations for the primary conifer species in the Acadian Region", Oct 8-9, 2008, 12th Northeastern Mensuration Organization Meeting, Bar Harbor, Maine.

Li., R. "Evaluation of the wildfire ignition risk by the aid of fuzzy logic", June 27-28, 2007, UCGIS 2007 Summer Assembly, Yellowstone National Park, Wyoming.

Li., R. and P. Bettinger. "Influence of various heuristic moves on the development of solutions during the early, middle, and final stages of the solution generation process", September 5-8, 2006, 12th Symposium for Systems Analysis in Forest Resources, Burlington, Vermont.

COMPUTER SKILLS	• Statistical analysis: SAS, S-Plus, R, MatLab • Programming: C, C#, Java, Visual Basic. • GIS: ArcGIS, ArcObjects, Fragstats, Erdas Imagine • Text editors: LATEX, MS Word. • Database managers: MS Access, SQL-Server. • Presentations: MS Powerpoint, LATEX-Beamer • OS: Windows, Linux.
HONOURS AND AWARDS	• Student Paper Award ($800), UCGIS 2007 Summer Assembly, 2007. • University-Wide Graduate Assistantship Award, University of Georgia, 2004-2005. • Outstanding Graduate of BFU, Beijing Forestry University, 2003. • 1st Prize of Zhongheng Education Funds, Beijing Forestry University, 2001. • Outstanding Graduate of BFU, Beijing Forestry University, 2000
CERTIFICATIONS	• SAS Certified Base Programmer from SAS, Inc. • SAS Certified Advanced Programmer from SAS, Inc.
INVITED REVIEWER FOR JOURNALS	• International Journal of Forestry Research • Forestry: An International Journal of Forest Research
REFERENCES	*Available on request.*