

Grants Received: Guangxing Wang

- 2009 – 2010, “Mapping and Spatial Uncertainty Analysis of Forest Carbon: Combining National Forest Inventory Data and Images”. SIUC seed grant.
- 2009 - 2010, “IL Statewide Healthcare&Education Mapping”. The Partnership for a Connected Illinois, Inc., Illinois Department of Commerce and Economic Opportunity.
- 2008 – 2009, “Spatial assessment of cumulative vehicle use impacts and identification of superfluous roads for sustainable military land carrying capacity and environment”. U.S. Army Construction Engineering Research Laboratory (US Army CERL).
- 2008, “Tree mapping and uncertainty using lidar data”. Image Tree.
- 2008, “Spatial uncertainty analysis of lidar-derived DEMs”. US Army CERL.
- 2006 - 2007, “Spatial characterization and monitoring of vehicle use impacts on Installation land conditions at multiple spatial scales: II Mapping of off-road traffic trail networks and allocation of land repair and restoration sites”. US Army CERL.
- 2007, “An Integrated spatio-temporal model for image-aided monitoring of land condition”. US Army CERL
- 2006, “Improving the RUSLE (Revised Universal Soil Loss Equation) model using remote sensed crop residue maps”. Collaboration with Dr. Haibo Yao at the Institute for Technology Development, Stennis Space Center. NASA.
- 2005 - 2006, “Spatial characterization and monitoring of vehicle use impacts on Installation land conditions at multiple spatial scales”. U.S. Army Construction Engineering Research Laboratory (US Army CERL)
- 2003 - 2004, “LCTA (Land Condition Trend Analysis) inventory methods analysis”. US Army CERL.
- 2002, “Scale effects and uncertainty analysis for mapping vegetation cover disturbance and soil erosion”. IL C-FAR (Council on Food and Agricultural Research).
- 1998-2001, “Error and uncertainty analysis for ecological modeling and simulation: case study: soil erosion mapping and uncertainty analysis for the US Army Installations”. US Strategic Environmental Research and Development Program (SERDP) and US Army CERL.
- 1996-1997, “Forest habitats classification using remotely sensed data”. Finnish Foundation of Culture.
- 1996-1997, “A remote sensing and GIS based forest resources inventory and management system”. Department of Finnish Agriculture and Forestry.
- 1992-1995, “Optimization of forest resource inventory and monitoring using multi-source data”. Center for International Mobility (CIMO) and Department of Finnish Agriculture and Forestry. Ph.D. study.