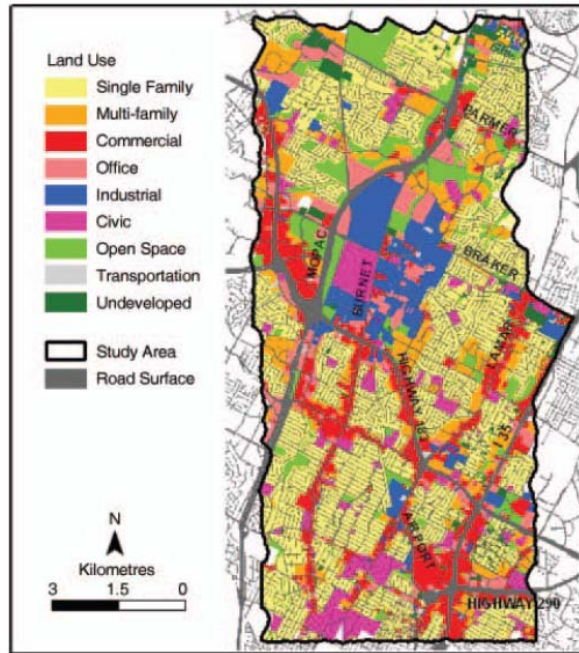


The IEEE Geoscience and Remote Sensing Society Western New York Chapter and the NSF GIScience IGERT Colloquium Series at University of Buffalo, the State University of New York (SUNY)

present a technical seminar:

Urban Land Use Classification from Contemporary Remote Sensing



Dr. Le Wang

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Friday, April 4, 2008

1-2 pm

Refreshment and cookies provided at 12:30pm.

Wilkeson Quad. Room 144

Buffalo, NY 14261

Abstract:

Frequently updated land use information at fine spatial scale, such as single family, multi-family, industrial, and commercial, is often needed by decision makers and urban planners. However, the current manner of generating such information mainly relies on aerial photo interpretation and field surveys, which are very labor intensive and time consuming. Therefore, automated methods for detecting land use features and labeling them with correct categories are greatly needed, but not possible from conventional remote sensing methods. In order to tackle the difficulty posed by spatial and spectral heterogeneity with each land use type, we will present a new method by fusing multi-source contextual information from contemporary remote sensing to aid extraction of land use features.

Biography

Dr. Le Wang is an assistant professor in the department of Geography at SUNY-Buffalo. Dr. Wang received his Ph.D. degree from University of California at Berkeley in 2003. His research interests include: development of new remote sensing methods for high-spatial resolution and hyperspectral remote sensing imagery, mangrove forest characterization, invasive species spread modeling, urban feature extraction, and urban population estimation.

Directions and Parking:

From Interstate 90 (New York State Thruway)

1. Take Route 90 to Exit 50, Route 290. Proceed West along Route 290.
2. Take Route 290 to Exit 4, Route 990.
3. Take Route 990 to Exit 1, State University of New York. The Exit will feed you onto the Audubon Parkway (see campus map on the right)
4. Just before first traffic light, make U-turn (left turn) onto opposite lane of Audubon Parkway
5. Follow the Audubon Parkway to the SECOND intersection with Frontier Road, the traffic light reached after crossing a small bridge over the channel between two ponds.
6. Take the first left off Frontier Road into parking lot (Dept. of Geography is indicated on the sign at the entrance to the lot).
7. Drive straight ahead to the visitor parking spaces located on the right side of the driveway past the parking lot entrances; if the visitor parking is full, you can turn into the large parking area.
8. You will need to display a visitor parking hangtag on your rear view mirror. First park your car, then follow the directions in the next step to go to the department main office in Wilkeson Quad Room 105 to get a visitor parking hangtag from Mr. Joe Murray.
9. Proceed from the parking lot into the courtyard in front of Wilkeson Quad (there are signs to show the way). Enter the center doors to the building and turn right. Room 105 will be the second door on your left.
10. The presentation will be in room 144 in the same building.

