Special Issue Call for Papers on “Remote Sensing of Urban Environments”

Remote Sensing of Environment

A special issue focusing on the biophysical properties, patterns, and processes of urban landscapes, improved mapping capacities in spatial, spectral, temporal and geometric domains, and the impacts of recent image processing algorithms on remote sensing of the urban environment, is being planned. The topics may include, but are not limited to, the following:

- Retrieval and analysis of urban biophysical properties;
- Heat fluxes, water and carbon cycles in the urban environments, interactions among land surface, water, and lower atmosphere;
- Characterization and quantification of urban landscape patterns, relations to surface cover characteristics, urban morphology, and ecological/environmental processes;
- Application of object-based analysis, data mining, artificial neural networks, knowledge based expert systems, and other pattern recognition/object search approaches to remote sensing of urban areas;
- Impacts of the improvements in spatial, spectral, temporal and geometric resolutions on the analysis of urban landscapes;
- Data and image fusion of different sensors, wavelength regions, spatial, spectral, and temporal resolutions;
- Scale issues in the analysis of urban landscapes;
- Need for improved remote sensing systems (e.g., better spatial, temporal, and spectral resolutions) and potential use of NASA Decadal Survey missions to facilitate more accurate measurements of characteristics integral to the urban environments;
- Remote sensing applications in urbanization, public health, and sustainability.

The guest editors will be:

Dr. Qihao Weng (primary contact)
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Authors wishing to submit a paper should send an abstract summarizing the rationale, objectives, methods, and key results to Dr. Qihao Weng by July 1, 2010.

Authors selected for submission of a full paper should prepare and submit their manuscripts electronically at: http://ees.elsevier.com/rse/. Papers should be prepared following the “Guide for Authors” on the webpage. The deadline for submission of papers is December 30, 2010.

Papers will be peer-reviewed in accordance with the journal’s established policies and procedures. The selection of 18-20 final papers will be dependent on the results of the peer reviews and evaluation by the guest editors.

Please note that you will be submitting / publishing with the #1 rated remote sensing journal: http://www.elsevier.com/locate/rse. The most recent (2008) ISI Impact Factors report shows that RSE continues to be the #1 remote sensing journal at 3.943.

Publication Schedule:

May 10, 2010 Call for papers
July 1, 2010 Deadline for abstract submission
December 30, 2010 Deadline for paper submission
February 28, 2011 Reviews sent to authors
March 31, 2011 Deadline for submission of revised papers
April 15, 2011 Reviews of revised papers to authors
May 1, 2011 Deadline for submission of final papers
August 2011 Publication of the special issue