

2008 对地观测与遥感应用国际研讨会  
*2008 International Workshop on  
Earth Observation and Remote Sensing Applications*

*June 30 – 2 July, 2008  
Beijing, China*

## ***Foreword***

We are delighted to present the exciting event of “2008 International Workshop on Earth Observation and Remote Sensing Applications”. The workshop organized by Key Laboratory of Mapping from Space, State Bureau of Surveying and Mapping, together with Center for Urban and Environmental Change, Indiana State University, Key Laboratory of Land Use of Ministry of Land and Resources, China Land Surveying and Planning Institute, takes place on June 30 - 2 July in Beijing, China.

Aiming to share the technical developments of land use and land cover mapping, remote sensing of urban and suburban areas, remote sensing of environment, new data and sensors, algorithms and techniques for detection, interpretation, characterization, and modeling of the Earth surface features, the international workshop has provided a platform to strengthen the relationships and promote technical cooperation among the researchers working in these fields and other disciplines of Remote Sensing.

We have received more than 150 paper submissions, representing 18 nations in the world. Earlier, an international team of review committee reviewed these submissions, and carefully selected 91 papers for the final program, 58 being presented orally and 33 being presented as posters. We would like to express our gratitude to the members of the local organizing committee, program committee and to all the reviewers and authors. Special thanks to the conference secretariat for their hard work for preparing the workshop.

Qihao WENG  
Jixian ZHANG

### **Publisher Information**

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## PROGRAM-3

<b>Date: July 2, 2008 (Wednesday)</b>		<b>Venue: Room 1, Conference Hall, 3<sup>rd</sup> Floor, Holiday Inn</b>
<b>LULC 4: Agricultural Land Patterns and Dynamics</b>		<b>Time: 08:00 – 09:40</b>
<b>Chair: Peijun DU, China University of Mining and Technology, China</b>		
<b>Time</b>	<b>Activity</b>	
08:00 – 08:20	<b>Topic:</b> A Research on the Fallow Land of Akesu Area Based on GIS and RS <b>Speaker:</b> Lijun Zuo <b>Affiliation:</b> Chinese Academy of Sciences, CHINA	
08:20 – 08:40	<b>Topic:</b> Characterizing Spatial Patterns of Cropland Phenology in China Based on Remotely Sensed Data <b>Speaker:</b> Wenbin WU <b>Affiliation:</b> University of Tokyo, JAPAN	
08:40 – 09:00	<b>Topic:</b> Estimation of Summer Paddy in Haryana (India) Using High Resolution Satellite Data <b>Speaker:</b> R. S. Hooda <b>Affiliation:</b> Haryana Space Applications Center, INDIA	
09:00 – 09:20	<b>Topic:</b> Winter Wheat Yield Forecasting Model with Normalized Near-infrared Spectral Index Using MODIS <b>Speaker:</b> Wenpeng LIN <b>Affiliation:</b> Shandong University, CHINA	
09:30 - 09:50	<b>Coffee / Tea Break</b>	

<b>Date: July 2, 2008 (Wednesday)</b>		<b>Venue: Room 2, Conference Hall, 3<sup>rd</sup> Floor, Holiday Inn</b>
<b>URBAN 1: Urban Expansion</b>		<b>Time: 08:00 – 09:40</b>
<b>Chair: Hanqiu XU, Fuzhou University, China</b>		
<b>Time</b>	<b>Activity</b>	
08:00 – 08:20	<b>Topic:</b> Remote Sensing of Urban Expansion and Heat Island Effect in Jinjiang Estuary Area of Fujian, China <b>Speaker:</b> Hanqiu XU <b>Affiliation:</b> Fuzhou University, CHINA	
08:20 – 08:40	<b>Topic:</b> Relationships Between Urban Heat Island Intensity and Land Use/cover Factors Based on Landsat ETM+ in Urban Agglomeration of Guangzhou, China <b>Speaker:</b> Yunpeng WANG <b>Affiliation:</b> South China Normal University, CHINA	
08:40 – 09:00	<b>Topic:</b> Spatial Analysis and Temporal Simulation of Landscape Patterns in Two Petroleum-oriented Cities <b>Speaker:</b> Junmei TANG <b>Affiliation:</b> University of Maryland at Baltimore County, USA	
09:30 - 09:50	<b>Coffee / Tea Break</b>	

<b>Date: July 2, 2008 (Wednesday)</b>		<b>Venue: Room 1, Conference Hall, 3<sup>rd</sup> Floor, Holiday Inn</b>
<b>URBAN 2: Road Extraction</b>		<b>Time: 10:00 – 11:40</b>
<b>Chair: Uwe STILLA, Technische Universität München, Germany</b>		
<b>Time</b>	<b>Activity</b>	
10:00 – 10:20	<b>Topic:</b> An Efficient Method for Extracting Road Lane Mark by Fusing Vehicle-based Stereo Image and Laser Range Data <b>Speaker:</b> Yun SHI <b>Affiliation:</b> University of Tokyo, JAPAN	
10:20 – 10:40	<b>Topic:</b> Vehicle Detection in High Resolution Satellite Images <b>Speaker:</b> Uwe STILLA <b>Affiliation:</b> Technische Universität München, GERMANY	
10:40 – 11:00	<b>Topic:</b> Road Extraction by Angular Texture Signature <b>Speaker:</b> Yong LIANG <b>Affiliation:</b> Shandong Agricultural University, CHINA	
11:30 - 12:30	<b>Buffet Lunch</b>	

**2008 International Workshop on Earth Observation and Remote Sensing Applications**

<b>Date: July 2, 2008 (Wednesday)</b>		<b>Venue: Room 2, Conference Hall, 3<sup>rd</sup> Floor, Holiday Inn</b>
<b>SENSORS AND SYSTEMS</b>		<b>Time: 10:00 – 11:40</b>
<b>Chair: Hongjie XIE, University of Texas-San Antonio, USA</b>		
<b>Time</b>	<b>Activity</b>	
10:00 – 10:20	<b>Topic:</b> MODIS Terra and Aqua Snow Cover Products, Validation, and Applications <b>Speaker:</b> Hongjie XIE <b>Affiliation:</b> University of Texas at San Antonio, USA	
10:20 – 10:40	<b>Topic:</b> Identification of Winter Wheat and Its Distribution Using the CBERS-02B Images in an Irrigation District along the Lower Yellow River, China <b>Speaker:</b> Nannan ZHANG <b>Affiliation:</b> Liaoning Technical University, CHINA	
10:40 – 11:00	<b>Topic:</b> Physically Based Estimation Soil Moisture from L-band Radiometer <b>Speaker:</b> Liang CHEN <b>Affiliation:</b> Chinese Academy of Sciences, CHINA	
11:00 – 11:20	<b>Topic:</b> Ground Truth Extraction from LiDAR Data for Image Orthorectification <b>Speaker:</b> Xiaoye LIU <b>Affiliation:</b> University of Southern Queensland, Australia	
11:30 – 12:30	<b>Buffet Lunch</b>	

<b>Date: July 2, 2008 (Wednesday)</b>		<b>Venue: Conference Hall, 3<sup>rd</sup> Floor, Holiday Inn</b>
		<b>Poster Session III: Environment</b>
		<b>Time: 08:00 – 12:00</b>
1	<b>Topic:</b> Ecological Change of the Source Region of Three Rivers during Last 30 Years Based on Satellite and Ground Observations <b>Presenter:</b> Wenjiang ZHANG <b>Affiliation:</b> Sichuan University, CHINA	
2	<b>Topic:</b> Interpretation of Landslide from SPOT-5 Imageries in the Three Gorges Reservoir Area <b>Presenter:</b> Changyan CHI <b>Affiliation:</b> Chinese Academy of Surveying and Mapping, CHINA	
3	<b>Topic:</b> Detection of Suitable Soils for Zero-till Wheat Cultivation in Gujranwala District Pakistan Using GIS <b>Presenter:</b> Engr. Faheem iqbal <b>Affiliation:</b> National University of Sciences and Technology Pakistan, PAKISTAN	
4	<b>Topic:</b> Monitoring of Suspended Substance Concentration in Three Gorges Dam Based on the Bio-optical Model <b>Presenter:</b> Liya GAI <b>Affiliation:</b> Chinese Academy of Surveying and Mapping, CHINA	
5	<b>Topic:</b> The research on the environment along the Great Wall in Ningxia and Shanxi Province by remote sensing <b>Presenter:</b> Lanwei ZHU <b>Affiliation:</b> Chinese Academy of Sciences, CHINA	
6	<b>Topic:</b> Glacier Extraction Based on ASTER Data <b>Presenter:</b> Jinliang LIU <b>Affiliation:</b> Shandong University of Science and Technology, CHINA	
7	<b>Topic:</b> Hyperspectral Analysis of Leaf Copper Accumulation in Agronomic Crop Based on Artificial Neural Network <b>Presenter:</b> Huiping LIANG <b>Affiliation:</b> China University of Geosciences, CHINA	
8	<b>Topic:</b> Inversion and Validation of Leaf Area Index Based on CBERS02B Image Data in Guangxi Province <b>Presenter:</b> Jiali WU <b>Affiliation:</b> Chinese Academy of Sciences, CHINA	
9	<b>Topic:</b> Remote Sensing Methodology for the Estimation of Methane Emissions from Chinese Lakes <b>Presenter:</b> Federico BREDA <b>Affiliation:</b> Via San Nazaro, 19, 16145 Genova, ITALY	
10	<b>Topic:</b> Regional Eco-environmental Spatial Analysis and Comprehensive Evaluation Based on GIS and RS: A Case Study in Zhangjiajie, China <b>Presenter:</b> Li XU <b>Affiliation:</b> Taishan University, CHINA	

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