The 21th International Conference on Geoinformatics June 20-22, 2013
Kaifeng, China

Conference Program

Co-Organizers:

Key Lab of Geospatial Technology for the Middle and Lower Yellow River Regions, Ministry of Education ,Henan University

The International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

Co-Sponsors:

IEEE Geoscience and Remote Sensing Society (IEEE GRSS)

College of Environment and Planning ,Henan University

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Useful Information

From Zhengzhou to Kaifeng
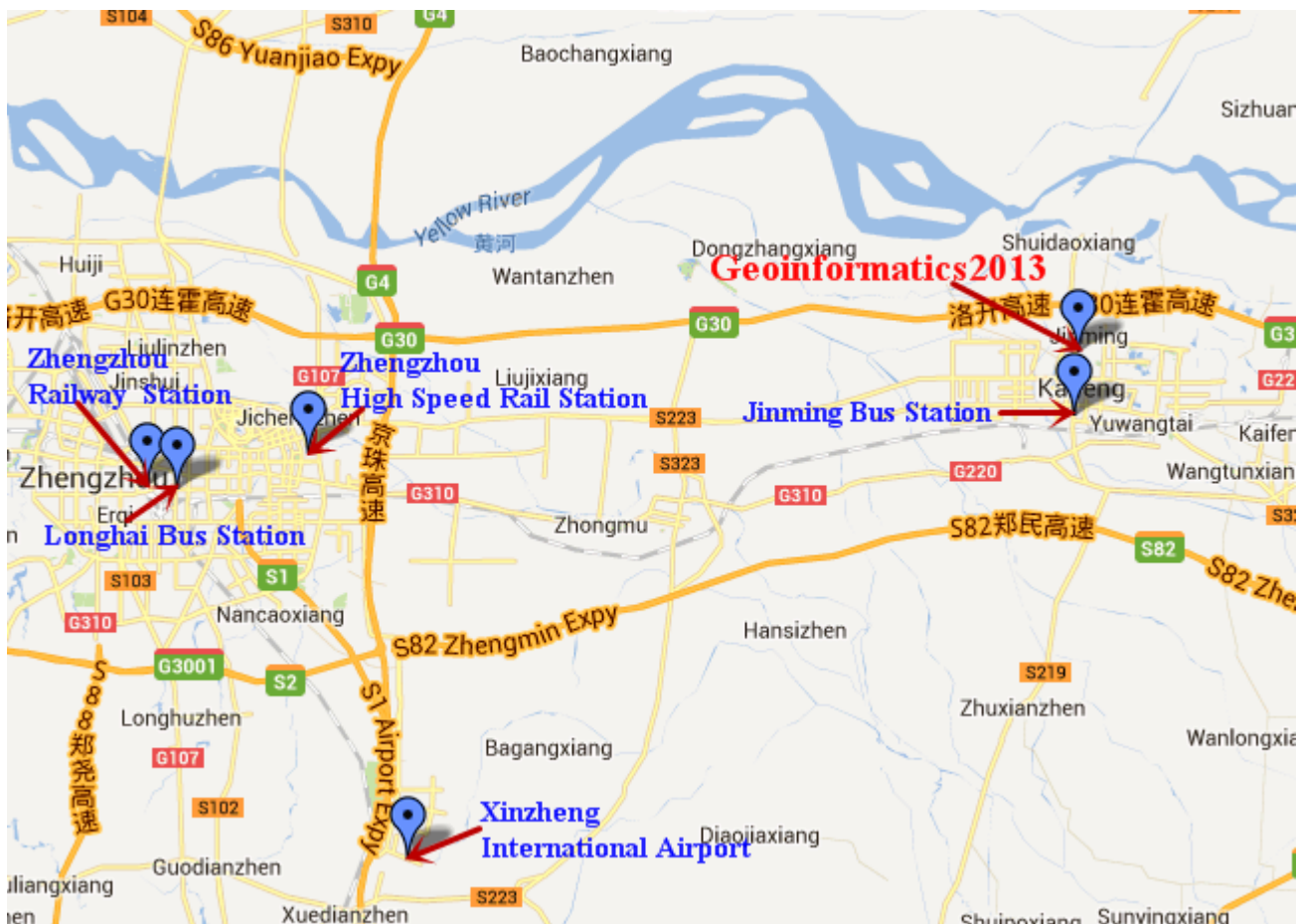
From Xinzheng International Airport:

- **By taxi**: about 300 Yuan, which is roughly $50.
- **By airport bus:Price: 40 Yuan (about $7) per person**
    - **Operating time**: Buses go to Kaifeng every 1 hour in the morning and every 1.5 hours in the afternoon from 10:00-22:00.
    - **Driving time**: about 1 hour
    - **Directions**: Buy ticket at gate #5, get on the bus at gate #6, get off at Kaifeng Haode Square (开封豪德广场), then get to your hotel by taxi, which costs less than 10 Yuan (about $2)
    - **Bus company telephone:** 86-0378-8886999

From Zhengzhou Railway station:

- Get to Zhengzhou Longhai Bus station (郑州陇海汽车站), which has buses to Kaifeng every 15 minutes, at 7 Yuan (~$1) per person.
- Bus operational hours: 6:20-20:00

Henan University will have volunteers working at Zhengzhou Railway Station, Zhengzhou High Speed Rail Station, and Xinzheng International Airport on June 19 and 20. They will help you choose the right transportation means to Kaifeng.

From Kaifeng Railway Station

The conference will held at Henan University new campus (also named Jinming campus).
From Kaifeng Railway Station

- To Jinming international hotel , University training hotel：by taxi, about 20 Yuan (~$3)
- Kaiyuan Garden Hotel, by taxi, about 15-20 Yuan (~$2-$3)

Campus Map of Henan University Jinming Campus (HENU)

Note: All sessions in June 20,21 and 22 will be held on the campus.

Conference Rooms in Jinming Hotel

First floor	Fourth conference room	Room A
	Fifth conference room	Room B
	Zhongzhou Hall	Room C
Second floor	First conference room	Room D
	Distinguished guest room	Room E

Note: All sessions in June 21 and 22 are held in the Jinming Hotel.

Registration Site and Time

Day	Time	Location
June 19	14:00-20:00	Kaiyuan Garden Hotel, Jinming international hotel, University training hotel
June 20	08:00-16:00	Computer Building second floor conference room
June 21	08:00-16:00	Jinming Hotel
June 22	08:00-16:00	Jinming Hotel

Tea Break and Lunch

	Day	Time	Location
Tea Break	June 20	10:20-10:40 14:50-15:20	Computer Building second floor conference room
	June 21 & 22	10:10-10:40 15:10-15:40	Jinming Hotel
Lunch	June 20	12:00-13:30	
	June 21 & 22	12:00-13:30	

Program Overview

Day	Time	Program						Venue
19-Jun	Morning	Registration						Henan University
	Afternoon							
20-Jun	Morning	Opening Ceremony						
		Keynote Session I						
	Afternoon	Keynote Session II			Student Paper Competition			
	Evening	Welcome Dinner						Jinming Hotel
		Parallel oral sessions				Panel discussion	Poster sessions	Jinming Hotel
		Room A	Room B	Room C	Room D	Room E		
21-Jun	Morning	OS01	OS03	OS05	OS07	PD01	PS01	
		OS02	OS04	OS06	OS08	PD02		
	Afternoon	OS11	OS13	OS15	OS17	PD03	PS02	
		OS12	OS14	OS16	OS18	OS20		
	Evening	CPGIS Night						Qingming River Park
22-Jun	Morning	OS21	OS23	OS25	OS27	OS29	PS03	Jinming Hotel
		OS22	OS24	OS26	OS28	OS30		
	Afternoon	OS31	OS33	OS35	OS37	OS39	PS04	
		OS32	OS34	OS36	OS38	OS40		

June 19

<u>Registration (14:00-20:00)</u>

Venue: Kaiyuan Garden Hotel, Jinming international hotel, University training hotel
N o t e :

June 20

Opening Ceremony (08:30-09:00)

Venue: Computer Building second floor conference room
Chair:
Welcome addresses given by:

Keynote Session I (09:00-12:00)

Venue: Computer Building second floor conference room

Chair:		
9:00-9:40	Prof.　Guanhua Xu	Global climate change and the sustainable development
9:40-10:20	Prof.　Michael F. Goodchild	Planning in a Geospatially Enabled Society
10:20-10:40	Tea break	
Chair:		
10:40-11:20	Prof.　Li Deren	Smart City:Concept, Supporting Techniques and Applications
11:20-12:00	Prof.　Milan Konecny	Early Warning and Disaster Management Challenges for Europe and China: from GIS to VGE

Keynote Session II (13:30-15:10)

Venue: Computer Building second floor conference room
Chair:

13:30-14:10	Prof.　Gangjun Liu	
14:10-14:50	Prof.　Daniel Sui	Crowdsourcing Geographic Knowledge through Open GIS

Tea break (14:50-15:20)

Keynote Session III (15:40-17:20)

Venue: Computer Building second floor conference room
Chair:

15:20-16:00	Prof.　Yunfeng Kong	Spatial Optimization for Compulsory School Location-Allocation and School Bus Routing
16:00-16:40	Prof.　Yeqiao Wang	Geospatial Information for Monitoring, Reporting and Forecasting of the Changing Environments

Special Event (17:20-17:40)

Venue: Computer Building second floor conference room
Chair:

➕ **Announce site selection result of GeoInformatics 2014**

Special Session: Student Paper Competition (13:30-16:00)

Venue:
Co-Chairs:

13:30-13:45	Accuracy Analysis on Automatically Extracted River Network Based on SRTM DEM —A Case Study of Oujiang Watershed in Zhejiang Province	Ge Ying, Zhong Ming, Li Yunting
13:45- 14:00	Decade 1km resolution monthly temperature data for China	Wenglong Jing, Min Feng, Yaping Yang ,Heli Lu
14:00-14:15	Construction of Data Resources Catalogue System of Yellow River Based on Distributed-ontology	Yan Li, Shi-Xing JIAO
14:15-14:30	A Way to Calculate Information of Anomaly Change of Land-use Types	Hui Ren,HongRui Zhao
14:30-14:45	The Study of Expressway Geographic Information Management System	Jianhua Wang, Chao Xie, Qiming Qin
14:45-15:00	Optimal allocation strategy for making a staged evacuation plan with multiple exits	Jun Xie
Tea Break (15:00-15:30)		
15:30-15:45	VegaCache: Efficient and Progressive Spatio-Temporal Data Caching Scheme for Online Geospatial Applications	Yunqin Zhong
15:45-16:00	A Modified Ripley's K Function to Detecting Spatial Pattern of Urban System	Guohui Zhu

Welcome Dinner

Venue: Jinming Hotel

June 21 (Morning, 08:30-12:00)

OS01[Room A]: GIS in Economic Development(1)

Co-Chairs:

8:30-8:50	Modeling the State Level Economic Growth in the United States, 1977-2001	TuWei
8:50-9:10	Spatial Differentiation Patterns of Housing Price and housing price-to-income ratio in China's Cities	Yang Wang
9:10-9:30	Spatial and Temporal Analysis on Tourism Economy in the Yellow River Basin	Xing Ren
9:30-9:50	The Impacts of Light Rail on Residential Property Values in a Nonzoning City: A New Case Study in Houston	Qi sheng Pan
9:50-10:10	Exploring Carbon emissions, economic growth, energy and R&D investment in China by ARDL approach	Shiyan Zhai

OS02[Room A]: GIS in Economic Development(2)

Co-Chairs:

10:40-11:00	The impact of migration and administrative division on the measurement of regional inequality	Sanwei He
11:00-11:20	The preliminary research on the Multidimensional poor information spatial processing and measuring	Lin Dong
11:20-11:40	Uncovering trip patterns of human activities from taxi trajectory data	Li Gong
11:40-12:00	The Spatio-temporal Characteristics Analysis of New-urbanization level of CPER in China	Zhiwei Ding

OS03[Room B]: Processing and application of high-resolution imagery(1)

Co-Chairs:

8:30-8:50	An Object-based Image Analysis of WorldView-2 Data	Fang Qiu
8:50-9:10	Remote Sensing Monitoring of Gulf of Mexico Oil Spill Using ENVISAT ASAR Images	Yang Cheng
9:10-9:30	The Fusion and Evaluation of WorldView-2 Images—A Case Study of General Survey Project of Geographic National Conditions in Sichuan, China	Guoming Li
9:30-9:50	Study on Grain for Green Project implementation effect monitoring based on high resolution image	Junxiang Zhu
9:50-10:10	Classification of Building Structures on High Spatial Resolution Satellite Image for Mapping the Readiness to Hurricane Hazards, Cancun and Chetumal, Mexico	Tao Tang

OS04[Room B]: Processing and application of high-resolution imagery(2)

Co-Chairs:

10:40-11:00	Urban Road information Extraction from High Resolution Remotely Sensed Image based Research on Semantic Model	Jinliang Wang
11:00-11:20	Integration of Association-rule and Decision Tree for High Resolution Image Classification	Ziyong Zhou
11:20-11:40	Multi-scale Landscape Pattern Analysis Based on High Spatial Resolution Imagery Segmentation	Yetao Yang
11:40-12:00	An Accurate SVM-Based Classification Approach for Hyperspectral Image Classification	Baassou Belkacem

OS05[Room C]: GIS for Environment and Health

Co-Chairs:

8:30-8:50	Character of Dust Weather and Its Relationship with Snow Cover during Late Fall and Early Spring in Gansu and Inner Mongolia	Dihua Cai
8:50-9:10	Incorporating Ringmaps into Interactive Web Mapping for Enhanced Understanding of Cardiovascular Disease	Jinfeng Zhao
9:10-9:30	Analysis of spatial distribution of goundwater quality in Huaihe River basin	Yan Jiang
9:30-9:50	Spatio-temporal evolution pattern of dike-pond system in Shunde	Huanli Tang
9:50-10:10	Using Indicator kriging to delineate and map the spatial patterns of soil Zn pollution	Fengrui Chen

OS06[Room C]: Cartographic Theory and Applications

Co-Chairs:

10:40-11:00	The Concept of Symbol-morpheme and its Application in Map Symbols Design	Jiangpeng Tian
11:00-11:20	GIS-based landslide susceptibility mapping using analytical hierarchy process in Wenchuan	Changjiang Gou
11:20-11:40	Colony Optimization Algorithm Applied to Simplification of Closed Linear Objects	Chun yan Zheng
11:40-12:00	Using Hypsometric Attributes to Quantify Glacial Landscape	Wei Luo

OS07[Room D]: GIS in planning(1)

Co-Chairs:

8:30-8:50	Probe into the Application of Geographic Information System to Scenic Area Planning	Ming Fang
8:50-9:10	Landscape heterogeneity of mountainous and hilly areas in western Henan Province of China	Shengyan Ding
9:10-9:30	Optimal Layout of Borehole Location based on Delaunay Refinement	Wanna Wang
9:30-9:50	The Study of Urban Rainstorm Waterlogging Scenario Simulation Based on GIS and SWMM Model—Take the Example of Kunming Dongfeng East Road Catchment Area	Xudong Zhao
9:50-10:10	A design of urban open spatial information system on the basis of spatial information technology	Jingyu Liu

OS08[Room D]: GIS in planning(2)

Co-Chairs:

10:40-11:00	The Location Analysis of Indemnificatory Housing Based on SMCE	Chen Li
11:00-11:20	Study on Township Space Control Planning for Rural Context Based on GIS Technique	Yuanmin Zhang
11:20-11:40	A PostGIS-Based Pedestrian Wayfinding Module Using OpenStreetMap Data	Jianghua Zheng
11:40-12:00	Sustainable Development and Green Space System Construction	YanWang

PD01 Room E]: GIS research, development and Industry

Co-Chairs: Chuang Tao

08:30-08:50		
08:50-09:10		
09:10-09:30		
09:30-09:50		
09:50-10:10		

PD02[Room E]: Spatiotemporal sciences and innovations

Co-Chairs: Chaowei Yang

10:40-11:00		
11:00-11:20		
11:20-11:40		
11:40-12:00		

June 21 (Afternoon, 13:30-17:30)

OS11[Room A]: New trends of technologies and research in GIS community

Co-Chairs:

13:30-13:50	Study of RSA Used in DEM Information Disguising	Lingyu Chen
13:50-14:10	Is privacy still an issue in the era of big data? Location disclosure in spatial footprints	Linna Li
14:10-14:30	Three-dimensional Construction and Visualization of Complex Geologic Environments for Virtual Field Practice and Virtual Education	Fengru Huang
14:30-14:50	Man-land Relationship in the Age of Big Data: A GIScience Perspective	Yu Liu
14:50-15:10	The relational model of mangrove vegetation index, LAI, and biomass at the species level	Yuanhui Zhu

OS12[Room A]: Mobile GIS solutions and LBS

Co-Chairs:

15:40-16:00	Mining Spatial Association Rules from LBS Anonymity Dataset for Improving Utilization	Haitao Zhang
16:00-16:20	Development of an Internet GIS Platform based on RIA	Jinxin He
16:20-16:40	Different responses of MODIS spectral indices to typical drought events during 2000-2012 in Southwest China	Mei Liu
16:40-17:00	Spatial Effect on Social Network: A Study Using Mobile Phone Data	Li Shi
17:00-17:20	Regionalization from a Spatially Embedded Human Interaction Network	Guanghua Chi

OS13[Room B]: Web GIS

Co-Chairs:

13:30-13:50	Web GIS Course and Lab Design	Pinde Fu
13:50-14:10	A Precision Agriculture Management System Based on Internet of Things and WebGIS	Jiuyan Ye
14:10-14:30	Design and Implementation of Geospatial Sensor Web Node Management Prototype System	Changjiang Xiao
14:30-14:50	Design of the tourism service WebGIS based on Silverligh	Jie Liu
14:50-15:10	Design and Implementation of Tourism Information System Based on Google Maps API	Yimeng Wu

OS14[Room B]: Spatial data modeling,uncertainty and data quality

Co-Chairs:

15:40-16:00	Accuracy Analysis on Automatically Extracted River Network Based on SRTM DEM	Ying Ge
16:00-16:20	Script-based 3D Flight Simulation Technology and Its Application in Mineral Resources Management	Heng Cai
16:20-16:40	The Research and Development of 3D Urban Geographic Information System with Unity 3D	Yankun Zhao
16:40-17:00	Spatial Analysis of Chinese Welfare Lottery 'Double Color Ball'	Yong Zhao
17:00-17:20	A method to automatically determine sea level for referencing snow freeboards and computing sea ice thicknesses from NASA IceBridge airborne LIDAR	Mei Liu

OS15[Room C]: Spatial Decision Support

Co-Chairs:

13:30-13:50	Comparative Space-time Analysis of Regional Inequality and Convergence	Xinyue Ye
13:50-14:10	Major Concerns of Defining the Map Symbol Standard in Emergency Management	Fei Wang
14:10-14:30	The Design and Implementation of Seismic Casualties Assessment System of Yunnan Province Based on GIS	Tao Liu
14:30-14:50	GIS as a tool to identify potential associations between environmental and health data	Chaosheng Zhang
14:50-15:10	Learning Ontologies for Geographic Entity Matching and Multi-Sources Data Fusion	Shanzhen Yi

OS16[Room C]: Integration of RS, GIS and GPS (3S)

Co-Chairs:

15:40-16:00	Method of Soil Erosion Intensity Spatial Variation Research	Lianqi Zhu
16:00-16:20	Regional Landslide Risk Assessment Based on GIS and Contributing Weight Model: A Case Study of Wenchuan County	Sen Wu
16:20-16:40	Slope Location-based Landslide Vulnerability Assessment	Ting Li
16:40-17:00	Assessment of an Ecosystem Services Promotion Measure Based on RS and GIS: A Case Study in Huanghua County	Yuan Yuan
17:00-17:20	Integration of RS, GIS & GPS (3S) Tech-Stick for visually Impaired	Alex Praveen P

OS17[Room D]: Satellite Positioning Technology and Location based service

Co-Chairs:

13:30-13:50	Navigation Map Update Framework under Beidou RDSS Mechanism	Zhe Zeng
13:50-14:10	An Adaptive Acquisition Algorithm Of GNSS Receiver	Faqin Gao
14:10-14:30	An Improved ADPAM Algorithm	Jimin Liu
14:30-14:50	Evaluation of GPS Trajectories on VIG and Social Websites	Run Huang
14:50-15:10		

OS18[Room D]: Urban & Reging GIS applications

Co-Chairs:

15:40-16:00	VGI on China Urban Cultural Heritage Conservation: a Perspective from Public Archaeology	Jie He
16:00-16:20	A REST Service Framework for Video Retrieval Based on Geographic Information	Zhigang Han
16:20-16:40	Spatial Structure of the Economic Network of Central Plains Economic Zone	Shaoqi Pan
16:40-17:00	An Automatic Technique For Registering Airborne And Terrestrial LiDAR Data	Lishan Zhong
17:00-17:20		

PD03[Room E]:   GIS Education: Challenges, Directions and Globalization

Co-Chairs: Pinde Fu&Yaochen Qin

13:30-15:30	Michael Goodchild
	Milan Konecny
	Hui Lin
	Daniel Sui
	Xiaobing Cai

OS20[Room E]: Land Use / Land Cover Chang

Co-Chairs:

15:50-16:10	Drivers and Effects of LUCC in River Naoli Watershed, Sanjiang Plain, Northeast China	Jian hua Wang
16:10-16:30	Detection of Land Cover and Thermal Environment Change in Beijing From TM Images	Guoyin Cai
16:30-16:50	Evaluation and Optimization on Land Use Structure ——A Case Study of Wujin County	Qun Zhang
16:50-17:10	A GIS-based approach for estimating land use related carbon emissions	Mei Zhang
17:10-17:30	The simulation of land use and land change Erhai Lake Basin based on CA-Agent	Yu lian Yang

Special Event

🞢 **Announce student paper competition result(17:35-17:50)**

🞢 **CPGIS Night**

June 22 (Morning, 08:30-12:00)

OS21[Room A]: Geospatial computation, simulation, optimization (1)

Co-Chairs:

8:30-8:50	A Gap Statistic for Detecting Population Discontinuities on the City Size Distributions: a Study on the City System in Texas 1850-2010."	Zeng wang Xu
8:50-9:10	Colony Optimization Algorithm Applied to Simplification of Closed Linear Objects	Hua ke Hu
9:10-9:30	A Hierarchical Framework for Bus Stop Optimization	Zhengdong Huang
9:30-9:50	XML-Based Model Libraries Application in Geographic Information System	YiLi
9:50-10:10	Building Topological Flow-Path Networks Based On Scale-adaptive DEM	Xiaomei Bi

OS22[Room A]: Geospatial computation, simulation, optimization (2)

Co-Chairs:

10:40-11:00	On the Suitability of the SRTM DEM for Simulating Potential Insolation	Pengcheng Qi
11:00-11:20	Large–scale Urban Sprawl Simulation Using a Spatial Partition Strategy and GPU-CA Model	Dan Li
11:20-11:40	A network view of urban mobility and city structure with taxi trips	Liu Xi
11:40-12:00	The Evolution of the Floodplain Forests as Indicators of Landscape Changes in the Alluvium of the Morava River	Jin Brus

OS23[Room B]: Representation and Visualization of Geospatial Data

Co-Chairs:

8:30-8:50	Real-time Visualization of Three-dimensional High-speed Railways Based on Model Combination	Ya Hu
8:50-9:10	Spatial Simulation of Soil Attribute Based on principle of Soil Science	Genxin Song
9:10-9:30	Large-scale Terrain Visualization System in a Cluster Environment	Xiao Guo
9:30-9:50	Three-dimensional Roadway Topological Modeling and Visualization Technique for Mine	Mei Li
9:50-10:10	Real-time Visualization of Three-dimensional High-speed Railways Based on Model Combination	Ya Hu

OS24[Room B]: Geospatial computation, simulation, optimization (3)

Co-Chairs:

10:40-11:00	A Novel Method for Dynamic Modeling and Real-Time Rendering	Changqing Yan
11:00-11:20	Intelligent Loading of Code Modules Based on the Users' Historical Operating Log in GIS Software	Haoran Li
11:20-11:40	Use of RADARSAT-2 Data to Retrieve Soil Moisture over Bare Soil Agricultural Fields	Nan Yin
11:40-12:00		

OS25[Room C]: Management and Application of Remote Sensing (1)

Co-Chairs:

8:30-8:50	The Study of Spatio-Temporal Variation of Impervious Surfaces for Dianci basin using TM Imagery from 2002 to 2009	Liang Hong
8:50-9:10	Vegetation Landscape Change Analysis Based on Remote Sensing in Northwest of Beijing	Qingzu Luan
9:10-9:30	Using Unmanned Aerial Vehicle for Remote Sensing Application	Lei Ma
9:30-9:50	Spatial Distribution of Crofton Weeds in Southwest China with MODIS NDVI of Long Time Series	Li Wang
9:50-10:10	Dynamic Monitoring of Vegetation Coverage in Shangri-La County of Northwest Yunnan based on MODIS NDVI Data	Deng Yu

OS26[Room C]: Management and Application of Remote Sensing (2)

Co-Chairs:

10:40-11:00	A Weaving Method to Assemble and Analyze Tracking Data in Generalized Image Space	Lan Mu
11:00-11:20	An Automatic Solution of Accessible Information Extraction from City GML LoD4 Files	Lei Niu
11:20-11:40	An Automatic Coastline Extraction Method Based on Active Contour Model	Hongwei Zhang
11:40-12:00		

OS27[Room D]: Statistics and application models of spatial data（1）

Co-Chairs:

8:30-8:50	Satellite Positioning Technology and Location based service	Yongmei Lu
8:50-9:10	A Spatial-Homogeneity-Based Interpolation Algorithm for soil properties	Jiaogen Zhou
9:10-9:30	Spatial Study of Religion with Spatial Religion Explorer	Shuming Bao
9:30-9:50	Characterizing the Spatio-Temporal Patterns of Framers' Market Visits	Daoqin Tong
9:50-10:10	Study on Spatial-temporal Differences of Measuring Urbanization Rate with Two Different Statistic Methods of Shandong Province	Qiuying Li

OS28[Room D]: Statistics and application models of spatial data（2）

Co-Chairs:

10:40-11:00	Spatial analysis of farming viability and its contributing factors in California	Bo Xu
11:00-11:20	Population loss of New Orleans and policy inferences from regression models	Lei Wang
11:20-11:40	Research on DEM Interpolation Algorithm Adaptability with Local Terrain Features	Jinming Zhang
11:40-12:00	The Analysis of Relief Amplitude in Qinghai province based on GIS	Shuaibin Liu

OS29[Room E]: Theories and Algorithms in GIS (1)

Co-Chairs:

8:30-8:50	A Spatial Clustering Algorithm for Line Objects Based on Extended Hausdorff Distance	Guiyun Zhou
8:50-9:10	Residual Kriging for Spatial Prediction of Air Temperature in the U.S.	Yingru Li
9:10-9:30	A New Road Network Selection Approach Based on the Importance Criteria of Spatial Interactive Relationship	Haiwei He
9:30-9:50	A Spatio-Temporal Cadastral Data Model Based on Space-Time Composite Model	Wei Song
9:50-10:10	Research of Matching Technique Based on Multi-scale Road Networks	Yong hong Wang

OS30[Room E]: Theories and Algorithms in GIS (2)

Co-Chairs:

10:40-11:00	Top-Down Cluster Based Algorithm for Static R Tree Packing	Zhong Huang
11:00-11:20	Progressive Attribute Editing for Geological Interpretation of Remote Sensing Images	HuShao
11:20-11:40	Advanced visibility analyses and visibility evaluation using eye-tracking	Stanislav Popelka
11:40-12:00	Accessibility of elderly people to service facilities, a case study of Wuhan City	Jianquan Cheng

June 22 (Afternoon, 13:30-17:30)

OS31[Room A]: Geospatial data sharing and web services

Co-Chairs:

13:30-13:50	Detecting association between a disease andan environmental factor using localized t-test	Xun Shi
13:50-14:10	A POI Data Update Approach Based on Weibo Check-in Data	Meng Zhou
14:10-14:30	A Model for Heterogeneous Quality Evaluation of Geographic Web Service	Li Liu
14:30-14:50	Extracting Traffic Information from Web Texts with a D-S Evidence Theory Based Approach	Peiyuan Qiu
14:50-15:10	A computer-supported cooperative interpretation working framework	Minying Mo

OS32[Room A]: GIS in Environmental Modeling (1)

Co-Chairs:

15:40-16:00	Increased mass over Tibetan Plateau: from lakes or glaciers	Hongjie Xie
16:00-16:20	GIS-based Rainfall-triggered Landslide Warning and Forecasting Model of Shenzhen	Gege Jiang
16:20-16:40	Detecting responses of masson pine to acid rain based on different soil conditions	Jiaxin Jin
16:40-17:00	Study for the Carbon Emission Influencing Factors of Henan Province based on LMDI Model	Xi Wang
17:00-17:20	Bioremediation of Eutrophicated Scenery Water by Alcaligenes faecalis	Lin Wang

OS33[Room B]: GIS in Environmental Modeling (2)

Co-Chairs:

13:30-13:50	Melting of ice-sheets in the Tian-Shan Mountains observed by satellite gravity measurements	Guiping Feng
13:50-14:10	Assessment of vulnerability to sea-level rise for China's coast	Shoufen Wang
14:10-14:30	GML-based 3D Spatial Data Model for Geoscience Information in Coal Mines	Zhangang Wang
14:30-14:50	Sustainable Development and Green Space System Construction	Tianqi Li
14:50-15:10	An Applied Research of Small Watershed Soil Erosion Model in the Loess Plateau	Ling Qin

OS34[Room B]: GIS in Environmental Modeling (3)

Co-Chairs:

15:40-16:00	The Land Dynamics at the Mississippi River Delta Front and Their Interactions with Natural Hazards and Wetland Conservation in a Coastal Environment with Fast Land Loss	Meng Xuelian
16:00-16:20	Measurement the low-carbon level of residents' daily travel in Zhengzhou city	Xiaoju Ning
16:20-16:40	The Characteristics of Wetland Evolution in Nansi LakeRegion	Fei Meng
16:40-17:00	Spatial Heterogeneity of Urban Residential Carbon Emissions in China	Jinping Zhang
17:00-17:20		

OS35[Room C]: Acquisition and Processing of Remotely Sensed Data（1）

Co-Chairs:

13:30-13:50	Analysis of spatial heterogeneity of agricultural landscape in the lower Yellow River plains based on characteristic scale	Shengyan Ding
13:50-14:10	Massive Image Data Management using HBase and MapReduce	Yuehu Liu
14:10-14:30	A Novel Method for Camera Calibration Based on Micro Plane Grid	BiaoYang
14:30-14:50	Traffic Simulation and Validation in GIS	Fahui Wang
14:50-15:10	Extraction and spatial pattern of vegetation cover fraction of Yiluo basin	Jianfeng Liu

OS36[Room C]: Acquisition and Processing of Remotely Sensed Data（2）

Co-Chairs:

15:40-16:00	QUALITY ASSESSMENT OF BUILDING_ ROOF SEGMENTATION FROM AIRBORNE LIDAR DATA	Jing Li
16:00-16:20	Water Body Extraction from LANDSAT ETM+ Imagery Using MNDWI and K-T Transformation	Yanan Wang
16:20-16:40	A Distributed Spatial Data Integrated Management Prototype for Geological Applications	Xingguang Wang
16:40-17:00	A Novel Approach to Assess and Monitor Forests for REDD	Heli Lu
17:00-17:20	Integrated multi-temporal remote sensing data to estimate biomas	Changwei Wang

OS37[Room D]: Acquisition and Processing of Remotely Sensed Data (3)

Co-Chairs:

13:30-13:50	Research on extraction method of winter wheat phenology from time series of MODIS NDVI data	Xiwang Zhang
13:50-14:10	Sequential Edge Linking Method for Segmentation of Remotely Sensed Imagery Based on Heuristic Search	Xiaomin Ji
14:10-14:30	MODIS Infrared (IR) Water Vapor Calibration Model and Assessment	Liang Chang
14:30-14:50	Incorporating spatial information into spectral mixture analysis for mapping impervious surfaces	Changshan Wu
14:50-15:10		

OS38[Room D]: Image Processing(1)

Co-Chairs:

15:40-16:00	UAV Image Mosaic Based on Adaptive SIFT Algorithm	Shujuan Sun
16:00-16:20	Thin cloud removal of ZY-3 image based on improved homomorphism filtering method	Xiaoping Wu
16:20-16:40	A method of coupling with multi-source heterogeneous remote sensing data system based on SOS web service	Lianjie Zhou
16:40-17:00	The spatial distribution of global urban heat island intensity and the influence of urban sprawl	Yaoping Cui
17:00-17:20	DEM-based Slope Unit Derivation	Chenchao Xiao

OS39[Room E]: Image Processing(2)

Co-Chairs:

13:30-13:50	The Chang E-3 Landing and Working Area Selecting_ Based on the Lunar Digital Terrain Model	Zhaonan Wang
13:50-14:10	Land Surface Temperature Retrieved Using MODIS Data in Shandong Provinc	Mengquan Wu
14:10-14:30	Research On Detecting Ground Obstructions In Mountain Seismic Line Deployment	Rui Liu
14:30-14:50	Incorporating spatial information into spectral mixture analysis for mapping impervious surfaces	Changshan Wu
14:50-15:10		

OS40[Room E]: Geo-ontology

Co-Chairs:

15:40-16:00	Expression and Application of Geospatial Relation Ontology	Leilei Ma
16:00-16:20	Upper Level Ontology and Integration Assessment Modeling in Digital Watershed	Shanzhen Yi
16:20-16:40	On the Impact of Granularity of Time to Linear Topological Relations between Geographical Events and Their Formalization	Kai Liu
16:40-17:00		