Titles of Submitted Abstracts/Papers
13th International Conference on Geoinformatics, August 17-19, 2005, Toronto, Canada
(Listed in submission sequence)

- Spatial OLAP Data Modulation
- Interfacing GIS with a process based agro-ecosystem model – case study North China Plain
- New Technique for Precision positioning Using Pseudolite Augmented GPS
- 3D Features Modeling and Real-time Visualization of Urban GIS
- Real-time Web-based Geographic Information System and Remote Sensing for Flood Management
- Human-GIS Interactions and Decision-Support during Crisis and Disaster Responses
- Study on the Security of Human Settlements based on RS & GIS
- Multitemporal hyperspectral data analysis for regional detection of plant diseases by using an airborne- and tractor-based spectrometer
- A practical comparison of three fastest shortest path algorithms on road networks
- Quality Control for GPS Carrier Phase Kinematic Relative Positioning
- A Hypergraph Based Data Model for Coastal and Marine Spatial Applications
- Efficient Labeling for Large Polygon Feature based on Delaunay Triangular Network
- CHANGE DETECTION OF LINEAR MAN-MADE OBJECTS USING FEATURE EXTRACTION TECHNIQUE
- Modeling Cardinal Direction Relations between Fuzzy Regions
- Integrated Spatial Reasoning Based on Rules
- Reliable integration of geospatial data using object detection
- User Interface Design for Location-Based Decision Services
- Handling distributed heterogenous data sources to support spatial decision systems
- Benchmarking Road Safety Situations Using OGC Model of Portrayal Workflow
- Indoor Location Sensing
- Point GPS/INS System for Direct Geo-Referencing
- Impact Analysis of Galileo Navigation System on Precise Point Positioning
- A Vehicle Tracking, Monitoring and Control System for Safety and Security Service
- A network analysis of diplomatic relations among nations
• Geoinformatics Technologies Support the 2003 Mars Exploration Rover Mission: Mapping, Localization and Web GIS
• WETLANDS IDENTIFICATION THROUGH FUZZY SEGMENTATION OF REMOTE SENSING IMAGERY
• Louisiana State-wide Pipeline GIS
• Landscape Structure and Heterogeneity Analysis with Object-Oriented Image Textural Indices
• TOWARDS A SYSTEM OF SPATIAL DATA MINING BASED MULTI-AGENT IN EMERGENCY CONTEXT
• On the Biases in Airborne Laser Scanning Data – A Surface Registration Method
• Estimate of stormwater pollution from satellite imagery for urban runoff diversion systems to Sweetwater reservoir
• Study on the Progress of China Digital National Park
• Integration of GIS and Traffic Simulation System for Incident Response Units Dispatching
• Multi-resolution Analysis and Classification for Improving Land use/cover Mapping from Remotely Sensed Data
• A Framework for Rapid Assessment of Crop Damage due to Tropical Cyclone using Remotely Sensed Data
• USING GIS FOR CENSUS-BASED CUSTOMER TARGETING
• Using GIS to Measure Job Accessibility in Cleveland, 1980-2000
• The impacts of Employment Centers on Job and Housing: a GIS-based Measurement
• A Graph Theory Based Algorithm for Blocking a Fleeing Vehicle with Probabilistic Behaviour
• Study of the Geospatial Data Integration and Update for the E-Government Development
• "Real Time Rectification for Air-borne SAR Image with no Ground Control Point Supported by GPS Position Data"
• Role of Geoinformatics in Developing Sustainable Land Resources Action Plan in Southern Part of Haryana, India
• Study on the Framework of Applying WebGIS to Public Participation in Urban Planning
• A preliminary framework for cooperative traffic data application
• Snapshot-History Data Model: A New Kind of Spatiotemporal Data Model
• Rapid 3D Mapping Using LIDAR System
• EFFECT OF MODIFIABLE AREAL UNIT PROBLEM IN THE ANALYSIS AND INTERPRETATION OF SRI LANKAN ARLIAMENTARY GENERAL ELECTION RESULTS
A Network Analysis of Diplomatic Relations among Nations

TRANSFORMING THE CONVENTIONAL GRAPHIC LAYOUTS OF CIVIC INFRASTRUCTURE INTO GEOSPATIAL THEMES FOR URBAN MANAGEMENT

Effect of grid size on runoff and flow responses in a GIS-based hydrologic model

GIS Integration and Interoperability Based On GIS Service Chain

Application of Remote Sensing and GIS in Himalayas mountain (India)

A thematic geographic information system for meteorological disaster prevention and mitigation

A NETWORK SHARING MODEL ON CARTOGRAPHIC SYMBOL

Study of Storm Surge Disaster Prevention and Reduction Information system Based on GIS

Remote Sensing and GIS Applications in Disaster Management: Case Studies From India

Designing and Implementing of the Mobile Navigation and Positioning System Based on PDA

Research on spatial deviation analysis model of land-use change

A GIS-based measurement of transportation needs in rural New South Wales Australia

Geographic Patterns of Zhuang [Tai] Kinship Terms in Guangxi and Border Areas: A GIS Analysis of Language and Culture Change

Investigation on the GPS/GIS Based ERP System

The Integral Error Band for GIS Line Segments

Developing Pedestrian Behavioural Models for Crowd Management in Outdoor Recreational Events

Method Research on the Determination of the Key-scale Based on the theory of the Extended Fractal Dimension

A Mobile Computing Approach for Rescue Management: Case study on Wayfinding after Earthquake

Drought Monitoring In Iran by NOAA/AVHRR Data

Integrating biophysical characters, microclimate and human factors in forest fire risk modeling

Using Hyperspectral Data for Forest Biochemical Parameters Estimation

The Classification of Spatial Data Error From the Workflows’ View

The Integrative workflows of the Analog Map and Digital map Production

A Spatial Decision Support System for Location-based Traffic Data

Estimation of China Crop Yield by NOAA/AVHRR Data

Estimation of Evaporation in China by Remote Sensing

Application of Remote Sensing in Distributed Hydrological Model
Uncertainty modeling and geographical information for vulnerability analysis of disaster risk

Extraction of shoreline by Edge Detection

Using Extensible Component Objects for Constructing Observable Spatially Explicit Ecological Simulation Models with Fuzzy Decision Making

Modelling wildlife connectivity using graph theory

Modelling Aspen forest expansion in Waterston Lakes National Park, Alberta

Modeling land-use transitions with fuzzy controlled cellular automata

Automatic Urban Road Extraction Using Airborne Laser Scanning/Altimetry and High-resolution Satellite Data

LAND-OCEAN DYNAMICS AROUND THE OIL PRODUCING NIGER DELTA AREA (NIGERIA): OPPORTUNITY FOR AN AFRICAN TSUNAMI

Qualitative behaviour of a point object in an ubiquitous computing environment

Traveling Salesman’s Problem: From Algorithms to Real Road Networks

Road Extraction from Satellite Imagery Using Fractals and Morphological Image Processing

GIS Representation through Geological Data Modeling, Symbology In Korea

Software streaming Technology on Wireless Environments

GIS Based Natural Disaster Management System

Relative performance of LiDAR data configured with a range of sampling densities in DEM based terrain-attribute generation

Monitoring and analyzing the complexity of urban thermal environment

Monitoring Deforestation: A Requirement of the Kyoto Protocol

Estimating Radon Concentrations with Dispersion Modeling and GIS

Spatial Targeting of Conservation Tillage to Improve Water Quality and Carbon Sequestration Benefits

LU/LC Classification of Coastal Landforms using Stacked Indices

GIS based Rainfall Spatial Distribution Model

Investigation of GIS Based Surface Hydrological Modelling in Identification of Infiltration Zones in Urban Watershed

A FRAMEWORK FOR MODELING AND MINING SPATIAL DATA MART BASED GML

Comparative Analysis of Algorithms for Automatic Vectorization of Scanned Maps using Mathematical Morphology and Voronoi Diagrams

Image Analysis over the Internet

Web-based Collaborative Decision Support Services
Using Cascading Web Map Servers and GIS Web Services for Emergency Response Management

The rapidly 3D reconstruction of facades along the street

Development of a GIS/GPS-Based Emergency Response System

Comparison of Rational Function Model Based 3D Reconstruction Algorithms

Multi-sensor data integration for monitoring precipitation development processes

Location-Based Infrastructure Interdependency: New Term, New Modeling Approach

Performance Improvement for Navigation Guidance

Digital Elevation Model Extraction from IKONOS Stereo Images Using Rational Function Model

Multiple Images Epipolar Generation

Use of GIS to create a visual model for criteria pollutants in Kay County, Oklahoma

The Design for Web-based Geographical Information Server System

A Research on Mobile Device Hosted Spatial Web Service in LBS

Geometric Modeling Systems for Functional Enhancements of Tunnel GIS

Open-source On-line Community Mapping Tools

Application Study on Digital Reservoir’s Flood Prevention and Regulation by Spatial Information Techniques

OGC Compatible Web Services Based GIS Systems

SPATIAL DECISION SUPPORT SYSTEM FOR PLANNING INFRASTRUCTURAL FACILITIES AT VILLAGE LEVEL

FUZZY LOGIC BASED APPROACH FOR ASSESSMENT OF LAND UTILISATION PATTERN FROM SATELLITE DATA

Impact Analysis of application Open Source software solutions for developing Spatial Data Infrastructures in Developing countries

GROUNDWATER RESOURCE ASSESSMENT IN HARD ROCK TERRAIN USING CONVENTIONAL, REMOTE SENSING AND GIS APPROACH: A CASE STUDY IN SOUTHERN PERIPHERAL PART OF ETHIOPIA

Development of a GIS-Based Land-Use Change Model for Environmental Monitoring

Research on the application of Information grid in urban spatial heat environment analysis

Investigation of GIS Based Surface Hydrological Modelling in Identification of Infiltration Zones in Urban Watershed

Land Cover and Analysis of Watersheds
GIS and Remote Sensing in Urban Transportation Planning: A case study of Mississauga, Canada
- Analysis of Spatial Pattern of Commercial Strips in GTA
- GIS-Based Hydrological Modelling in Toronto Region
- Bay of Bengal Cyclone Surge Modeling Program: Use of Super Computer Technology and GIS for Early Warning
- The research of the 3S Technology application in the large scale land-use map updating
- Remote Sensing Based Assessment of damage to ecological resources of Andaman & Nicobar Islands caused by Tsunami
- GIS-based hydrologic modeling for assessing and reducing pollution from runoff and other non-point sources in East Baton Rouge Parish, Louisiana
- DEALING WITH A TERRORIST ATTACK IN PAKISTAN - A UNIVERSITY HOSPITAL PERSPECTIVE
- Realization of a geospatial web service for 3D city models with a GML 3.1 visualisation
- A Geographic Visualization Approach to Multi-Criteria Decision-Making
- The Design and Implementation of the Regional Resource and Environment Information System
- Real-time GIS for Floater NEXt generation RADar (FNEXRAD) Weather Data Dissemination
- Experimental Hurricane Surge Modeling in Louisiana Using GIS
- Using Unsupervised Methods to Classify Remote Sensing Images
- Travel Demand Model Derived Bus Route for Khulna City, Bangladesh
- Scale-space Approach to Urban DTM generation from LiDAR Data
- Design of spatio-temporal information systems with an object oriented knowledge representation approach
- Urban Change Detection and Population Prediction Modeling Using Remotely Sensed Images
- Airborne Video Registration for Forest Fire Monitoring
- Multi-variables Analysis of Urban Head Island
- Travel Time Contour for a Public Transportation System
- Combined Use of Distributed and Protected Geodata
- Distributed GIS for Managing Shanghai Landscape Resource
- LOCATION BASED SERVICES Over IP-BASED NETWORKS
- Object-Oriented Land Use/Cover Classification of Urban Area Using IKONOS Satellite Data
- MONITORING, CONTROL AND SURVEILLANCE SYSTEM (MCS) FOR THE
  PHILIPPINE EXCLUSIVE ECONOMIC ZONE (EEZ)
- Multimodal Web-GIS: Augmenting Map Navigation and Spatial Data Visualization with Voice
- Using Linear Features for Image-to-map Registration
- Telematics Technology and its Applications