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Conference Schedule

GeoInformatics for Spatial-Infrastructure Development in Earth & Allied Sciences: GIS-IDEAS 2004

Conference Schedule

September 16 - 18, 2004

Conference Locations

Building	Short Form
Conference Hall	CH
Exhibition Hall	EH
Meeting Room	MR
Venue to be announced	V2A

Thursday, September 16, 2004

7:30 AM - 1:00 PM in CH

Registration

9:00 AM - 10:15 AM in CH

Opening Ceremony

Chair: Nghiem Vu KHAI and Takashi FUJITA

Invited Speakers: To Be Announced

10:30 AM - 12:30 PM in CH

Keynote Session

Chair: Dang Quang TINH and Mamoru SHIBAYAMA

Presentations

Katsushi Ikeuchi, The University of Tokyo

["Modeling Cultural Heritage through observation"](#)

Shunji Murai, Emeritus Professor, The University of Tokyo

["Mapping from high Resolution Satellite Imagery in GIS Age"](#)

Invited Speakers: Prof. Shunji MURAI, Prof. Katsushi IKEUCHI and Prof. Mai Trong NHUAN

12:30 PM - 1:30 PM in CH

Lunch Break

1:30 PM - 2:45 PM in CH

Disaster Management and Mitigation

Chair: Tran Thuc and Srikantha Herath

Presentations

Dushmanta Dutta, RNUS, SCE, Asian Institute of Technology, Thailand

["Development of Urban Building Inventory for Bangkok using Very High-Resolution Remote Sensing Data for Disaster Risk Analysis"](#)

Nguyen Hong Phuong, Hanoi Institute of Oceanography

["Development of a Decision Support System for Earthquake Risk Assessment and Loss Mitigation: the Hanoi's Case Study"](#)

Trong Trinh Phan, (1) Institute of Geological Sciences, VAST, Vietnam (2) ICTP

["Remote sensing in the study of active tectonics and seismic hazards in Sonla hydropower d North Vietnam"](#)

Viet Lien Tran, Hanoi Hydro meteorological College
 "An experiment on the building of long-range forecasting of tropical cyclone activity in Northwest Pacific and Bien Dong (Eastern) Sea"

3:00 PM - 5:30 PM in CH

Special Session on ASTER

Chair: Nguyen Dinh Duong and Yasushi Yamaguchi

Presentations

Yasushi Arakawa, Earth Remote Sensing Data Analysis Center (ERSDAC)
 "Applications of Terra/ASTER data to environment management and disaster mitigation"

Van Cong Quoc Anh, HCM City University of Technology
 "The integration of GPS AND GIS TO CORRECT DEM DATA OF ASTER IMAGE "

Van Cu Pham, VTGEO, Institute of Geology, VAST
 "COMPARISON OF ROW CHANNEL AND PHYSICAL INDEX CHANNEL CLASSIFICATION OF AS IN URBAN CHANGE DETECTION. THE CASE OF THANH TRI DISTRICT IN SUBURB OF HANOI, VIETNAM"

Van Cu Pham, VTGEO, Institute of Geology, VAST
 "Use of Thermal Infrared Channels of ASTER to evaluate the Land Surface Temperature Changes of an Urban Area in Hanoi, Vietnam"

Fumio Shinohara, Information & Science Techno-System Co. Ltd
 "Research and Development of flood prediction System that uses ASTER data"

Mizuhiko Syoji, Earth Remote Sensing Data Analysis Center
 "Land use classification and extraction of parameters related water basin using remote sensing data"

Yasushi Yamaguchi, Nagoya University
 "Surface heat flux analysis in urban areas using ASTER and MODIS data"

7:00 PM - 9:00 PM in V2A

Welcome Party

Friday, September 17, 2004

8:30 AM - 10:45 PM in CH

Landslides and Debris Flow

Chair: Muneki Mitamura and Ngoc Nguyen Thach

Presentations

Minh Duc Do, Faculty of Geology, University of Science
 "NUMERICAL SIMULATION FOR SLOPE STABILITY ANALYSIS AND PREDICTION OF LANDSLIDES IN BAC KAN PROVINCE, NORTHEAST VIETNAM"

Teruki FUKUZONO, NIED
 "Landslide disaster prediction support system based on Web GIS"

Kiyoshi Honda, Asian Institute of Technology
 "1 and 2 Dimensional Debris Flow Simulation and its Visualization on the Internet"

Atsushi Kajiyama, Department of Geosciences, Osaka city university
 "Landslide Monitoring by Photogrammetry in Monset Area, Northwestern Part of Vietnam"

Ngoc Thach Nguyen, Ha noi National University
 "The Remote Sensing and GIS Methods to Study, Evaluate and Estimate Gravitational Landslides in Son La Area"

Venkatesh Raghavan, Media Center, Osaka City Univ
 "Landslide hazard zonation using the GRASS GIS: A case study in the Ojiya District, Niigata Prefecture, Japan"

8:30 AM - 10:45 PM in MR

Coastal Zone and Oceanography

Chair: Tran Nghi and Nitin Tripathi

Presentations

TRAN VAN DIEN, Hai Phong Institute of Oceanology
["Initial Result of Using Remote Sensing Data for Study Suspended Sediment Distribution in Bach Dang Estuary "](#)

Nguyen Huu Nghia, Research Institute for Aquaculture No1
["Mangrove forest conservation and development planning in Nghe An - Vietnam"](#)

Hanh Quyen Nguyen, Institute of Geography, VAST
["Using Remote sensing techniques for coastal zone management in the Ha Long Bay \(Viet Nam\)"](#)

Tac An Nguyen, Institute of Oceanography, Nha Trang, Vietnam
["Application of Remote Sensing for Interpretation of Primary Productivity in Bien Dong \(Eastern\) Sea"](#)

Tac An Nguyen, Institute of Oceanography, Nha Trang, Vietnam
["GIS DATABASE FOR SUSTAINABLE AQUACULTURE IN MEKONG DELTA"](#)

Bach Viet Pham, Geo-Information and Remote Sensing Div. (GIRS)
["Using time-series remotely sensing data to trace historical changes of Loc An river mouth area"](#)

DIEN TRAN VAN, Hai Phong Institute of Oceanology
["Using Remote Sensing Data for Studying Distribution and Seasonal Variation of Chlorophyll and Sea Surface Temperature in Gulf of Tonkin"](#)

11:00 AM - 12:30 PM in EH

Poster Session

Chair: Truong Xuan Luan and Shinji Masumoto

Presentations

Piotr Bajerski, Dep.of Comp.Sc.,Silesian
["Spatial Distribution Query Language"](#)

Takashi Fujita, Fault Research Data Center, Osaka, Japan
["SUMMARIZATION OF DISASTER RELATED TO THE KOBE EARTHQUAKE OF JANUARY 1995"](#)

Kazuyo HIROSE, Nikko Exploration & Development Co., Ltd.
["Satellite Data Application for Mangrove Management"](#)

Nguyen Hong Phuong, Hanoi Institute of Oceanography
["Development of a Decision Support System for Earthquake Risk Assessment and Loss Mitigation: the Hanoi's Case Study"](#)

Atsushi Kajiyama, Department of Geoscience, Osaka City University
["Geographical Features of Landslides in The Kobe Group Using GRASS-GIS"](#)

Hidekuni Kikuchi, Earth Remote Sensing Data Analysis Center
["Development of PALSAR Ground Data System"](#)

Kevin Koy, Center for Biodiversity & Conservation, AMNH
["Manual Methods for Land Cover Change Analysis: Mapping Forest Cover Change in Vietnam Central Truong Son "](#)

Habib-ur-Rehman M, University of Engineering & Technology, Lahore, Pakistan
["EMPLOYING GIS, EXPLORING THE EFFECT OF SUB-GRID LAND-USE HETEROGENEITY ON S EROSION AND SEDIMENT TRANSPORT MODELLING"](#)

Megumi Maruyama, D. E & P. Sc., Gr.Sc. of Env.Sc., Nagoya Univ.
["Land-cover analysis using Landsat imagery and deforestation influence on rainfall in Rondo State, Brazilian Amazon"](#)

Alaa MASOUD, Ph.D
["Soil Salinity Induced Land Cover Change Detection and Analysis in Siwa Region, NW Egypt."](#)

Shinji Masumoto, Dept. of Geosciences, Fac. of Science, Osaka City Univ.
["Multi-language support and Localization of Free and Open Source GRASS GIS"](#)

Ngo Van Minh, Ground Geophysics Enterprise, Thanh, Xuan, Hanoi
["INTEGRATED GEOLOGICAL-GEOPHYSICAL METHODS TO EXPLORE THE GEOLOGICAL NATU"](#)

OF THE GA-LANG MAGNETIC ANOMALY IN BINH THUAN, SOUTHERN VIETNAM"

Tatsuya Nemoto, Department of Geosciences, Osaka City University

"Characterization of a Point on Surface by Geologic Units neighbouring around it"

Ngoc Thach Nguyen, Hanoi University of Science

"Forecasting of gold mining in Hoa Binh province by using GIS and remote sensing technique"

Van Dai Nguyen, Faculty of Geology, Hanoi University of Science

"Remote sensing and GIS integration for terrain evaluation and land resources assessment in North Western Vietnam"

Quoc Phi NGUYEN, Department Geology and Minerals of Vietnam

"Landslide hazard mapping using Bayesian approach in GIS - Case study in YangSan area, Korea"

Binh Nguyen Hoa, PeaceSoft Solutions Corporation

"DEVELOPMENT OF A WEB-BASED GIS AND SIMULATION MODEL FOR THE PREDICTION OF FLOOD AND OTHER DISASTERS"

Pham Quy Nhan, Hanoi University of Mining and Geology

"Using GIS as a tool to determine ground water potential area"

Susumu Nonogaki, Department of Geosciences, Osaka City University

"Development of Vietnamese Version of GRASS GIS"

Hetal A Patel, Visiting Faculty - School of Planning, CEPT

"Reducing Vulnerability in Disaster Management Using Geospatial Technologies"

Helmut SCHAEFEN, Freiberg University of Mining and Technology

"Global Plate Tectonics with GIS"

Nguyen Son, Institute of Geology, VAST

"SURFACE WATER AND GROUND WATER ASPECT FOR ENVIRONMENT DEGRADATION"

Xianfeng SONG, Center for Southeast Asian Studies, Kyoto University

"The Development of Web Mapping Application Using Open Source GIS Solution"

Rangsima Sunila, Institute of Cartography and Geoinformatics

"Determining Uncertainty in Finnish Soil Data"

Van Anh Tran, Department of Geosciences, Osaka City University

"DEM GENERATION FROM SAR IMAGE - AN EXPERIMENT IN KAGOSHIMA REGION, SOUTH JAPAN "

NITIN TRIPATHI, AIT

"OpenGIS Based Wireless Spatial Data Logger for Flood Mitigation"

Pierrick Yalamas, IED

"Geographical Information Systems a Tool for Rural Electrification Projects in Developing Countries : Potential Applications"

Go YONEZAWA, Department of Geoscience, Osaka City University

"Geologic Modeling and Visualization Using GEOMODEL2003 -Visualization of Geologic Boundaries Based on Generalized Geologic Function-"**12:30 PM - 1:30 PM in CH****Lunch Break****1:30 PM - 3:30 PM in CH****Water Resource Management***Chair:* Bui Ta Long and Dushmatha Dutta*Presentations*

Long Bui Ta, Institute of Applied Mechanics

"INTEGRATION OF GIS , WEB TECHNOLOGY AND MODEL FOR MONITORING SURFACE WATER QUALITY OF BASIN RIVER: A CASE STUDY OF HUONG RIVER"

Dushmanta Dutta, RNUS, SCE, Asian Institute of Technology, Thailand

"Impact of Urbanization in Flow Characteristics in an Urban River Basin in Japan using a GIS Based Distributed Hydrological Model"

Pham Quy Nhan, Hanoi University of Mining and Geology
 "Groundwater vulnerability mapping in Namdinh area. "

Kumar M.E Seshadri, Anna University, Chennai - 600 025
 "GEOINFORMATICS APPLICATIONS FOR PREDICTING GROUND WATER VULNERABILITY AND TESTING THE COMPATIBILITY OF DRASTIC TO INDIAN CONDITIONS"

Nguyen Son, Institute of Geology, VAST
 "STUDY GROUND WATER RESOURCE ON RED RIVER DELTA ZONE BY REMOTE SENSING AN GIS"

Harro Stolpe, Ruhr-University of Bochum, Germany
 "Drinking water resources in the Mekong Delta - field investigations and GIS visualization"

1:30 PM - 3:30 PM in MR **Erosion, Terrain Evaluation and Landuse**

Chair: Le Van Trung and Honda Kiyoshi

Presentations

Habib-ur-Rehman M, University of Engineering & Technology, Lahore, Pakistan
 "MAPPING SPATIAL DISTRIBUTION OF SOIL EROSION AND DEPOSITIONS FOR NORTHERN THAILAND USING REGIONAL SCALE SOIL EROSION AND SEDIMENT TRANSPORT MODEL"

Van Dai Nguyen, Faculty of Geology, Hanoi University of Science
 "Remote sensing and GIS integration for terrain evaluation and land resources assessment i North Western Vietnam"

Quang Vinh Pham, Institute of Geography, VAST
 "Combination of supervised classification and ecological modeling in land use mapping"

Tong Phuoc Hoang Son, Marine Physic
 "Some pre-analysis techniques of remote sensing images for land-use in Mekong Delta"

M. V. Trinh, National Inst. for Soils & Fertilizers, Tuliem, Hanoi
 "Using Landsat images for studying Land use dynamics and soil degradation, case study in Tamduong district, Vinhphuc province, Vietnam"

Anh Tuan Vu, VTGEO - Institute of Geology - VAST
 "ANALYSIS EFFECT OF THE LAND COVER CHANGE TO SOIL EROSION AS A KEY FOR LAND U PLANNING"

3:45 PM - 5:30 PM in MR **Geophysical Methods, Algorithm and System Development**

Chair: Nguyen Dinh Hoa and Hideyasu Asahi

Presentations

Hideyasu Asahi, Muroran Inst. Tech., Mizumoto-cho 27-1, JAPAN, 050-8585
 "An Attempt to Eliminate Identical Logs in a Large Soil Drilling-log File"

Lien Dang, Vietnam Research Institute of Land Administration
 "Metadata for digital topographic map of Vietnam "

Viet Hoa Pham , Institute of Geography, VAST
 "THE PREVALENT POLICY ISSUES EXISTING AROUND SPATIAL DATA INFRASTRUCTURE DEVELOPMENT"

Helmut Schaeben, Freiberg University of Mining and Technology
 "A 3d geoscience information system and an exemplary application"

Xuan Luan Truong, Ha noi University of Mining and Geology
 "Geostatistics combine with the function of interpolation in GIS"

3:45 PM - 5:30 PM in CH **Socio-informatics**

Chair: Ho Dinh Duan and Yasuyuki Kono

Presentations

Minh Truong Dao, Center for Natural Resources and Environmental Studies, VNU
 "Dynamics of Land cover-Land use in different communities of Vietnam "

Trinh Hai Le, Institute of Geography

"AN ANALYSIS OF SUSTAINABLE DEVELOPMENT IN VIETNAM, A CASE STUDY OF DONG HA TOWN, QUANG TRI PROVINCE "

Yoshikatsu Nagata, Graduate School for Creative Cities, Osaka City University

"Temporal distribution of community temples in Northeast Thailand"

Wayne Tinlin, Geobiz

"The Integration of GIS to Monitoring and Evaluation Database Application"

Trung Tran, IMECOSUM/MONRE

"Ability of Combining RS and Land Use Rights Registration in Land Use Data Acquisition"

Saturday, September 18, 2004

9:00 AM - 11:45 PM in CH

Remote Sensing and Environmental Monitoring

Chair: Hoang Minh Hien and Markus Neteler

Presentations

Shamshad Ahmad, civil Engg., USM, Malaysia

"Comparison of different data fusion approaches for surface features extraction using QuickBird images"

Nguyen Dinh Duong, Institute of Geography, Vietnam

"Land cover mapping of Vietnam using MODIS 500m 32-day global composites"

Tran Hung, Institute of Industrial Science, University of Tokyo

"MODIS APPLICATIONS IN ENVIRONMENTAL CHANGE RESEARCHES IN THE INDOCHINA REGION"

Markus Neteler, ITC-irst, Trento, Italy

"MODIS time series remote sensing for epidemiological modeling"

Dinh Minh Nguyen, Hanoi University of Science, VNU

"MONITORING THE RED RIVER USING DIGITAL SATELLITE IMAGERY "

Thanh Hoan Nguyen, EISA, Institute of Geography

"Proposing a method to establish Vietnam forest map by using multi-temporal GVI images and ecological models"

Tien Dien Vu, Forest Inventory and Planning Institute (FIPI)

"SUSCEPTIBILITY TO FOREST DEGRADATION A Case study of the application of Remote Sensing & GIS in Bach Ma National Park - Thua Thien Hue province - Vietnam"

11:45 AM - 1:00 PM in CH

Lunch Break

1:00 PM - 2:30 PM in CH

Special Session on Historical GIS

Chair: Bui HOC and Yumio SAKURAI

Presentations

Cary Caverlee, University of California, Berkeley

"Seeing Space, Mapping Time: Scholars, Cultural Research, and GIS"

Mamoru Shibayama, CSEAS, Kyoto University

"Mapping Historical Maritime Exchanges between Vietnam, Thailand, and Japan"

Invited Speakers: Mamoru SHIBAYAMA, Tran Quang DUNG and Cavalee CARY

2:45 PM - 3:15 PM in CH

Closing Ceremony

3:30 PM - 5:30 PM in CH

Workshop on Free and Open Source Software for Geoinformatics

7:00 PM - 9:00 PM in V2A

Farewell Party



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