SCHEDULE FOR GIS-IDEAS 2012

Venue: 268 Ly Thuong Kiet Street, District 10, HoChiMinh City

16th October 2012: Training Session

Workshop 1 (room *Simulation Lab*, 1F, Building B10)

        09:00-11:30: Quantum GIS software

        13:30-16:30: Quantum GIS software

Workshop 2 (room 511, Building A4)

        14:00-16:00: GeoCloud

17th October 2012: Training Session

Workshop 2 (room 511, Building A4)

        09:00-11:00: GeoCloud

        14:00-16:00: GeoCloud

Workshop 3 (room *Simulation Lab*, 1F, Building B10)

        09:00-11:30: GRASS software

        13:30-16:30: GRASS software

(*Details about training sessions at http://gisws1.media.osaka-cu.ac.jp/gisideas12/training.html*)

18th October 2012:   **8:00-900 Registration**

18th October 2012:   **9:00-10:00 Opening Ceremony** (Main Hall, Building A4)

Speakers: Master of Ceremony: *Prof. Dr. Vu Dinh Thanh*, Rector of Ho Chi Minh University of Technology

        Prof. Dr. Mamoru Shibayama, Chairperson, JVGC

        Dr. Nghiem Vu Khai, Deputy Minister, MOST, S.R. Vietnam

        Prof. Le Quang Minh, Vice President, Vietnam National University-HCMC

        Dr. Le Ngoc Thanh, Director, Ho Chi Minh Institute of Resources Geography

        Representative for Embassy of Japan in Vietnam

        Prof. Dr. Raghavan Venkatesh, Osaka City University

18th October 2012:   **10:00-10:30 Exhibition Session**

18th October 2012:   **10:30-12:30 Keynote Lectures** (Main Hall, Building A4)

Speakers: *Prof. Dr. Dang Hung Vo*, President, Association of Geodesy Cartography and Remote Sensing, Vietnam: Remotely Sensed World for Spatially Enabled Society

        Prof. Dr. Le Van Trung, Lecturer of HCMUT: Geoinformatics Education and R&D Activities in Ho Chi Minh University of Technology

        Dr. Shinichi Sobue, JAXA: Food Security Monitoring using Japan's Space Technology

        Ass. Prof. Dr. Wataru Takeuchi, Tokyo University: Quantifying CO2 Emissions from Asia Integrated with Remote Sensing and Bio-geophysical Modeling

18th October 2012: 12:30-14:30 Poster Session (Includes lunch break)

1) *Jörg Hartleib*: Opportunities on WebGIS
2) *Cúc Phương Hồ Nguyễn et al.*: Establishing the Spatial Optimal Model to Impact the Climate Changes by Design of Experiment
3) *Ngo Manh Tien et al.*: Geo-metadata Structure of GIS for environmental management in Cam Ranh Bay, Vietnam
4) *Shinji Masumoto et al.*: A Study on Expression Method for Reliability of Three Dimensional Geologic Model
5) *Dao Minh Tam et al.*: Building a Water Resource Information System in Binh Thuan Province Vietnam
6) *Muneki Mitamura et al.*: Evaluation on the distribution of buried stone walls and banking construction of the former Osaka Castle with drilling data, central Japan
7) *Tatsuya Nemoto et al.*: Development of web-based distributed database system for geologic data
8) *Quoc Phi Nguyen et al.*: Statistical and heuristic approaches for spatial prediction of landslide hazards in Lao Cai, Vietnam
9) *Tien Thanh Nguyen et al.*: 3D Object Model Reconstruction based on Laser Scanning Point Cloud
10) *Minh Nguyen Dinh*: Geoinformatics for the Study of Ancient Villages in Peri-Urban Hanoi, Vietnam
11) *Duc Nguyen Huu et al.*: Open Source Software in Building WebGIS of Bus Information System.
12) *Khuong Nguyen Huu Duy et al.*: Applying GIS and Mathematical Model to Establish Suitable Mapping for Jatropa
13) *Tham Nguyen Phuc et al.*: The application of remote sensing and geographic information system to build the flash flood danger map in Dak Lak Province
14) *Susumu Nonogaki et al.*: Parallel Processing of Geological Surface Estimation using Scattered Field Data
15) *Hung Pham et al.*: BUILDING the Cadastral Information Lookup System Based on Open Source WebGIS Technology for Commune Officers in Long Xuyen City, An Giang Province
16) *Giang Tran et al.*: Application of Remote Sensing and GIS Technology to Establish Maps for Responding to Global Climate Change in Mekong Delta River
17) *Van Tran Thi et al.*: Urban Change Detection by Relationship of Thermal Properties to Vegetation Indices
18) *Nguyen Quang Tuan et al.*: Applying ArcGIS in Establishing Slope Map in Quang Binh Province, Vietnam with Scale 1/50.000
19) *Pham Dang Tri Van et al.*: An Uncertainty Perspective with Projected Climate Change in Hydrodynamic Modeling for Deltaic Fluvial Floods
20) *Daisuke Yoshida et al.*: Implementation of a Scalable Geo-processing Services using a Open Source Cloud Platform
21) *Trung Le Van*: GIS for Mapping Land Price of the Tien Giang Province.
22) *Nhung Vu et al.*: Web Enabled Open Source GIS Based Land Information System.
23) *Sarawut Ninsawat et al.*: Data Assimilation of DSSAT Model with Remote Sensing for Yield Estimation in Rainfed Field Area

18ᵗʰ October 2012: 14:45-17:45 Sessions A1 (Forestry and Agriculture) **(Room 509, Building A4)**

Chairpersons: 1. Ass. Prof. Dr. Vo Quang Minh

                  2. Dr. Nitin Kumar Tripathi

1) *Tobias Matusch et al.:* Development of Cost-effective and Comparable Monitoring Components for Protected Area Management in Vietnam and Germany - A Case Study of Bach Ma National Park.

2) *David A. Hastings:* Using the Human Security Index and GIS to Enhance National and Community Development.

3) *Ty Pham Huu et al.:* Building a Decision Support Model for Protection Forest Planning Using GIS and Multi-Criteria Model.

4) *Loan Ho et al.:* Landform Classification by a Rule-Based Approach for Monitoring Flood Inundation in Hanoi and Surrounding Areas, North Vietnam.

5) *Huong Nghiem Quynh et al.:* Human Activities Impacts in Buffer Zones of Protected Areas in Vietnam, A Case Study of Bach Ma National Park.

6) *Pham Huy Thong et al.: A* Parallel Radom Forest Algorithm for Digital Elevation Model Classification.

7) *Pham Bach Viet et al.:* Assessing Results of Satellite Image Classification: Things to be omitted.

8) *Vo Quang Minh:* Monitoring and Delineating Rice Cropping Calendar in the Mekong Delta Using MODIS Images.

18ᵗʰ October 2012 14:45-17:45 Sessions B1 (Coastal and Marine) **(Room 510, Building A4)**

Chairpersons: 1. Dr. Ho Dinh Duan

                  2. Prof. Venkatesh Raghavan

1) *Lau Va Khin et al.:* Ideas of Application Remote Sensing Techniques for Algal Bloom Detection in Marine Regions of Vietnam.

2) *Ngan Le:* Monitoring Coral Bleaching by Satellite Thermal Products: A Case Study in the Southern East Sea, Vietnam.

3) *Le Lina et al.:* Vulnerability Assessment of Ba Lat Delta Coastal Zone to Sea Level Rise and Climate Change.

4) *Phan Minh Thu et al:* Photosynthesis of Phytoplankton in the Southern Marine Regions of Vietnam from MODIS Data.

5) *Phan Kieu Diem:* Application GIS and Remote Sensing for Monitoring the Changing of Coral Reef at Tam Hai Commune, Nui Thanh District, Quang Nam Province.

6) *Pham Thi Phuong Thao et al.:* Monitoring Shoreline Change in the Coastal Area of Quang Tri, Vietnam by Using Remote Sensing and GIS.

7) *Nguyen Diep Thi Hong et al.:* Coastal and Marine Ecology Changes and Fish Cage Culture Development in Phu Quoc, Vietnam (2001 to 2011).

8) *Nhung Pham Thi Ngoc et al.:* Remote Sensing Application for Coastline Detection in Ca Mau, Mekong Delta.

18ᵗʰ October 2012: 18:30~ Welcome Reception

19th October 2012: 8:30-10:30 Sessions A2 (Land Cover and Hydrology) **(Room 509, Building A4)**

Chairpersons: 1. Ass. Prof. Dr. Nguyen Kim Loi

2. Dr. David Hastings

1) *Nguyen Huy Thong et al.:* Multi-Temporal Analysis of Land Cover Conditions in Mitchell Grasslands, Australia, Using MODIS Satellite Imagery.

2) *Thanh Van Hoang et al.:* Prediction Climate Change Impacts on Agriculture Land-Use Using Salus-WebGIS: Case Study in Red River, Vietnam.

3) *Yoshikatsu Nagata et al.:* Establishment Process of New Villages in the Upper-Middle Watershed of the Songkhram River in Northeast Thailand.

4) *Thanh Huong Bui et al.:* Drought Zoning for Binh Thuan Province in Vietnam base on Eto Calculator and GIS.

5) *Loi Nguyen Kim et al.:* Assessing Water Discharge in Be River Basin, Vietnam Using GIS and SWAT Model.

6) *Ho Quoc Bang et al.:* Application of SWAT Model to Simulate Catchment Flows for Assessing Climate Change Impacts on Hydropower in Daknong, Vietnam.

19th October 2012: 8:30-10:30 Sessions B2 (Urban Environment) **(Room 510, Building A4)**

Chairpersons: 1. Ass. Prof. Dr. Le Van Trung

2. Dr. Tobias Matusch

1) *Tran Thi Van et al.:* Monitoring Urban Dust by Using Remote Sensing Method, Case Study in Ho Chi Minh City.

2) *Hoa Le Thanh et al.:* Urban Morphology Analysis for the Trends of Urban Function in Ho Chi Minh city, Vietnam.

3) *Go Yonezawa et al.:*   Construction of Urban 3-D Model of Hanoi, Vietnam.

4) *Nitin Kumar Tripathi et al.:* Geoinformatics Based Flood Water Management – Case studies from Red River, Vietnam

5) *Trung Le Van:*   Managing Land Subsidence and Shinkhole in Ho Chi Minh City.

19th October 2012: 10:45-12:00   Sessions A3 (Landslide and Earthquake) **(Room 509, Building A4)**

Chairpersons: 1. Dr. Tran Van Anh

2. Prof. Muneki Mitamura

1) *Tran Thi An et al.:* Application of Remote Sensing and GIS in Study of Landslide in Danang city for the Purpose of Producing and Resettlement.

2) *Xianfeng Song et al.:* Extracting Landform Elements from DEM based on Morphometric Attributes.

3) *Dieu Tien Bui et al.:* GIS-Based Landslide Susceptibility Assessment along the National Road 32 (Vietnam) Using Logistic Regression and Index of Entropy Models.

4) *Nguyen Ngoc Lau:*   Monitoring the Tohoku Earthquake on 11, March 2011 by Using GPS Technology.

19th October 2012: 10:45-12:00 Sessions B3 (Landuse and Cartography) **(Room 510, Building A4)**

Chairpersons: 1. Dr. Le Minh Vinh

2. Prof. Shinji Masumoto

1) *Vinh Le et al.:* The Availability of Using Open Source GIS in Teaching Thematic Cartography.

2) *Minh Canh Khuu et al.:* Qualitative the Sematic Factors on Map for Similarity Spatial Searching Based on Spatial Description.

3) *Dinh Le Canh:* Intergration of GIS, Group AHP and TOPSIS in Evaluating Sustainable Land-Use Management.

4) *Truong Thi Cat Tuong et al.:* Study on Land-Use Change Detection and Its Trends Using ALOS and Landsat data in Binh Duong Province, Vietnam.

5) *Nguyen Van De et al.:* Application of GIS and RS to Wetland Inventory - A Case Study in Binh Phuoc Province.

19th October 2012: 13:00-15:00 Sessions A4 (Web and Mobile GIS) **(Room 509, Building A4)**

Chairpersons: 1. Ass. Prof. Dr. Tran Trong Duc

2. Dr. Daisuke Yoshida

1) *Xuan Quang Truong et al.:* HDI4NVN– Hydrological Data Infrastructure for North Vietnam.

2) *Trong Duc Tran:* Display, Editing and Analyzing Spatial Data via Internet with a WebGIS Application Developed Using Open Source Software.

3) *Nguyen Tho Thong et al.:* Mobile-GIS Application for Assessing Wine Quality.

4) *Sittichai choosumrong et al.:* Development of Web-GIS Application for Emergency Route Decision and Planning Using AHP Analysis and PGRouting Algorithm.

5) *Nicolas Bozon et al.:* MAPMINT: The Web-GIS on the Cloud.

6) *Duc Nguyen Huu et al.:* Open Source Software in Building WebGIS of Bus Information System

19th October 2012: 13:00-15:00 Sessions B4 (Flood Modeling) **(Room 510, Building A4)**

Chairpersons: 1. Prof. Dr. Truong Xuan Luan

2. Dr. Go Yonezawa

1) *Pham Dang Tri Van et al.:* Vulnerability to Flood in the Vietnamese Mekong Delta: Mapping and Uncertainty Assessment.

2) *Hong Quan Nguyen:* Flood Inundation Mapping Based on GIS Processing and Modeling: A Comparison.

3) *Loi Nguyen Kim et al.:* The Online Supporting System Flood Warning for Vu Gia Watershed, Quang Nam Province, Vietnam.

4) *Truong Xuan Luan et al.:* GeoInformatics for Flood Scenario Reconstruction: A Case Study in Upper Lo River, Ha Giang Province, Vietnam.

5) *Tuong Vu et al.:* Application of Remote Sensing and Hydrological Models for Flood Mapping.

6) *Liem Nguyen Thanh et al.:* Experiments on an Open-Source,
Open-Design SensorWeb-based System for Automated Environment Monitoring

19th October 2012 15:15-16:15 Sessions A5 (Microwave Remote Sensing) **(Room 509, Building A4)**

Chairpersons: 1. Dr. Lam Dao Nguyen

                     2. Dr. Susumu Nonogaki

1) *Chudech Losiri et al.:* Data Assimilation of DSSAT Model with Remote Sensing for Yield Estimation in Rainfed Rice Field Area.

2) *Nguyen Lam Dao et al.:* Rice Crop Monitoring in the Mekong Delta, Vietnam Using TERRASAR-X and ENVISAT-ASAR Radar Remote Sensing Data.

3) *Dao Minh Tam et al.:* Building an Enterprise GIS in Postal and Telecommunications Infrastructure Management.

19th October 2012 15:15-16:15 Sessions B5 (Water Quality and Soil Erosion) **(Room 510, Building A4)**

Chairpersons: 1. Ass. Prof. Dr. Bui Ta Long

                     2. Dr. Sarawut Ninsawat

1) *Binh Tran Thai:* Ontology Based Approach for Water Related Information System for Mekong Delta, Vietnam

2) *Long Bui Ta:* Pollution Evaluation in Streams Using Water Quality Indices - A Case Study from Saigon Basin.

3) *Phuong Thi Tran et al.:* The Impacts of Land Use Change on Soil Erosion in Bo River Watershed, Central Vietnam

19th October 2012: 16:15-17:00 Wrap-up and Closing

20th October 2012: Mekong Tour *(http://gisws1.media.osaka-cu.ac.jp/gisideas12/travel_stay.pdf)*