Preliminary program ISDE Summit

Wednesday, 12. November

8.30 Registration

9.30 -10.30 Introduction to the Summit and Welcome Addresses

M. Ehlers (GfGI, Summit Director)
R. F. Hüttl (GFZ Potsdam, Summit Co-Director)
H. Guo (ISDE, secretary general)
N.N. (State Representative, Brandenburg)

10.30 – 11.00 Coffee Break

Keynote Session (coordinated by desert.net): Desertification: the Role of Policy, Geoinformation, Earth Observation and Modelling

11.00 – 13.00

N.N. (tbd)
G. del Barrio (Estacion Experimental de Zonas Aridas, Spanish National Research Council CSIC, Almeria, Spain) *"Assessment and monitoring of desertification: a geomatic approach"*
M. Mulligan (King's College London, Department of Geography, UK) *"Geobrowser based simulation models for land degradation policy support"*
J. Hill (Remote Sensing Department, University of Trier, Germany) "*Dryland degradation and desertification: satellite-based assessment and monitoring concepts for a global problem"*

13.00 – 14.00 Lunch Break

Global Change

14.00 – 14.45 Keynote M. Latif (Maritime Meteorology, IFM-Geomar, University of Kiel, Germany) "*The climate of the 20th and 21st century*"

14.45 – 15.30 Keynote D. Stammer (Center for Marine and Climate Research, University of Hamburg, Germany *"Ocean reanalyses: status and their use for improving climate forecast."*

15.30 – 16.30

V.F. **Krapivin**; F.A. **Mkrtchyan**
(Institute of Radioengineering and Electronics, Russian Academy of Sciences, Moscow, Russia): „*An adaptive remote sensing technology fort the nature-society system biocomplexity assessment*"

P.A. **Propastin** (Department of Geography, Georg-August-University Göttingen, Germany; Laboratory of Remote Sensing and Image Analysis, Kazakh Academy of Science, Almaty, Kazakhstan); M. **Kappas** (Laboratory of Remote Sensing and Image Analysis, Kazakh Academy of Science, Almaty, Kazakhstan): *"Linkages between the current climate change, the political change in Kazakhstan and trends in the photosynthetic activity of vegetation*"

W. **Wan** (State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences; Graduate School of the Chinese Academy of Sciences, Beijing, China) ; Y. **Xue** (State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences. Beijing, China;

Department of Computing, London Metropolitan University, London. UK); Y. **Wang**; Y. **Li**; J. **Guang**; J. **Ai**; L. **Bai** (State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences; Graduate School of the Chinese Academy of Sciences, Beijing, China): *"High Performance Geocomputation for Digital Earth – A Case Study of Aerosol Retrieval from Remotely Sensed Data"*

H.M. **Füssel** (Potsdam Institute for Climate Impact Research, Germany)*: "Climate, geography and macroeconomics: A reanalysis of the G-Econ database"*

Earth Observation and Modelling

16.30 - 17.15 Keynote S. Schubert (Global Modeling & Assimilation Office, NASA/Goddard Space Flight Center, Greenbelt, MD, USA) *"NASA's Modern Era Retrospective-Analysis for Research and Applications (MERRA): Early Results and Future Directions"*

17.15 – 18.15

Salihou; Y. **Loya** (ISIG - Institut Supérieur d`Informatique et de Gestion Ouagadougou, Burkina Faso); B. **Somé**; L. **Somé** (LANIBIO – Université de Ouagadougou, Burkino Faso); M. **Daniel**; J.**Sequeira** (LSIS - ESIL, Université de la Méditerranée, Marseille, France): *"Remote Sensing and modeling contribution to ecosystem control in Burkina Faso"*

T. **Peisker**; D. **Spengler**; K.**Seg**l; S. **Itzerott**; H. **Kaufmann** (GeoForschungsZentrum Potsdam, Germany): *„Artificial 3D crop field for the simulation of hyperspectral reflectance data"*

E. **Forootan**, M.A, **Sharifi** (Surveying and Geomatics Engineering Department, Faculty of Engineering, University of Teheran, Iran): *"Multi-Sensor Analysis of the Lake Victoria Basin Variations"*

C. **Stasch**, A. C. **Walkowski** (Institute for Geoinformatics, University of Münster, Germany): *"A Geosensor Network Architecture for Disaster Management based on Open Standards"*

18.15 – 22.00 Postersession & Icebreaker Party

Thursday, 13. November

Simulation and Modelling

8.30 - 9.15 Keynote M. Goodchild (National Center for Geographic Information and Analysis, University of California, Santa Barbara, CA, USA) "*Simulation, modelling and digital earth: status and prospects*"

9.15 - 10.15

T. **Blaschke**; M. **Biberacher**; S. **Gadocha**; D. **Zocher**; M. **Mittlböck**; E. **Hauslauer**; I. **Schardinger** (Research Studio iSPACE, Salzburg, Austria); J.**Strobl** (Z_GIS, Centre for Geoinformatics, University of Salzburg, Austria): *"Virtual Power Plants: spatial energy models in times of climate change"*

V.F. **Krapivin**; F.A. **Mkrtchyan** (Institute of Radioengineering and Rlectronics, Russian Academy of Sciences, Moscow, Russia): *„GIMS - Technology for the operative environmental diagnostics"*

E. **Ivits**; M. **Cherlet,** G. **Buchanan** (DG JRC, Italy), D. **Chamberlain** (BTO, England): *„Remote sensing derived phenological indicators to explain European farmland bird distribution pattern"*

R. J. **Corner** (Co-operative Research Centre for Spatial Information, Australia); M. **Marinelli** (Curtin University of Technology, Bentley, Australia): *"Modelling the effects of data uncertainty on agricultural and environmental models under global change conditions"*

10.15 – 10.45 Coffee Break

Earth observation

10.45 - 11.30 Keynote H. Guo (Center for Earth Observation and Digital Earth, Chinese Academy of Sciences) *"ABCC Program: Global Change Study Using Space Technology"*

11.30 – 13.00

A, **Roff** (Co-operative Research Centre for Spatial Information, University of New South Wales, Sydney, Australia); D. **Silverstone** (NSW Department of Environment and Climate Change, Parramatta , Australia) G. R. **Taylor**; M. **Day**; A. L. **Mitchell** (Co-operative Research Centre for Spatial Information, University of New South Wales, Sydney, Australia);: *"Beyond land-cover mapping: Semi-automated delineation of vegetation pattern using segmentation"*

C. **Aubrecht**; M. **Köstl**; K. **Steinnocher** (Austrian Research Centers GmbH, Vienna, Austria): *"Functional object grouping – An advanced method for integrated spatial and space related data mining"*

D. **Tiede** (Centre for Geoinformatics (Z_GIS), University of Salzburg, Austria); S. **Lang** (Centre for Geoinformatics (Z_GIS), University of Salzburg, Austria; Institute of Landscape Architecture and Environmental Planning, Berlin): *"Rapid dwelling extraction from VHSR satellite imagery in refugee camps and dissemination of conditioned information via virtual globes"*

P. **Milenov**; D. **Kapnias**; W. **Devos** (European Commission, Joint Research Centre, Agriculture Unit, GeoCAP team): "*Best Practice and Quality Checking of Ortho Imagery – toward a common approach"*

T. **Soukup** (GISAT, Prague, Czech Republic); Y. **Bushuyev** (Dniprocosmos State Company, Dniepropetrovsk, Ukraine); M. **Popov** (Scientific Centre for Aerospace Research of the Earth, Kiev, Ukraine); A. **Tarariko** (Institute of Agroecology of the Ukrainian Academy of Agrarian Sciences, Kiev, Ukraine);V. **Starovoitov** (United Institute of Informatics Problem of the Belarus Academy of Sciences, Minsk Belorussia); K. **McCloy** (Faculty of Agricultural Sciences, University of Aarhus, Denmark): *"Technology of automated land cover classification based on the remote sensing data"*

S.**Hese**; C. **Schmullius** (Department of Earth Observation, Institute of Geography, Friedrich-Schiller-University, Jena, Germany): *"Strategies for object-oriented thermokarst lake change analysis in Siberia using very high resolution multitemporal satellite data"*

13.00 -14.00 Lunch Break

Spatial Data infrastructure

14.00 - 14.45 Keynote A. Annoni (Spatial Data Infrastructures Unit, Institute for Environment and Sustainability , European Commission Joint Research Centre, Ispra, Italy)

"*Regional and Global spatial data infrastructures: a key to assess and monitor environmental changes*"

14.45 - 15.45

C. **Graul**; A. **Zipf** (University of Bonn, Germany): *"Putting Biogeographic Research on the Spatial Web: Towards Interoperable Analysis Tools for Global Change Based on the Web Processing Service (WPS)"*

U. **Boes** (URSIT Ltd., Sofia, Bulgaria); R. **Pavlova** (Technical University Sofia, Bulgaria): *"Spatial Data Infrastructures by 2020 – where do they go?"*

D. **Doktor** (Imperial College, Department of Biology, UK); F. W. **Badeck** (Helmholtz-Centre for Environmental Research - UFZ, Leipzig, Germany); A. **Bondeau** (Potsdam Institute for Climate Impact Research, Potsdam, Germany); D. **Koslowsky** (Free University of Berlin, Department of Meteorology, Berlin, Germany): "*On the comparison of point and area-wide observations of vegetation"*

E. **Gennai** (ESRI Europe): *"Spatial Data Infrastructures, building as one"*

15.45 – 16.15 Coffee Break

Visualisation

16.15 – 17.00

D. **Wortley** (Serious Games Institute, Coventry University, UK): *"Integrating Physical and Virtual Worlds for Sustainable Development"*

F. **Hruby**; J. **Kristen**; A. **Riedl** (Department of Geography and Regional Research, Cartography and Geoinformation (IfGR), University of Vienna, Austria): *"Global Stories on Tactile Hyperglobes – visualizing Global Change Research for Global Change Actors"*

P. **Paar** (Lenné3D LLC. Berlin); K. **Appleton** (School of Environmental Sciences, University of East Anglia, Norwich); M. **Clasen** (Zuse Institute Berlin, Dept. of Visualization and Data Analysis); M.**Gensel** (Zuse Institute Berlin, Dept. of Visualization and Data Analysis); S. **Jude** (Tyndall Centre for Climate Change Research, University of East Anglia, Norwich); A. **Lovett** (School of Environmental Sciences, University of East Anglia, Norwich): *"Interactive Visual Simulation of Coastal Landscape Change"*

18.00 Program Sanssouci Castle

19.00 Social Evening Event (Dinner) & Poster Awards

Friday, 14. November

Simulation and Modelling

9.00 - 09.45

Keynote Deren Li (State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing): *"Role of Geospatial Technology in Wenchuan Earthquake"*

9.45 -11.00

A. **Czerwinski** (Department of Geoinformation, Institute of Geodesy and Geoinformation, University of Bonn, Bonn, Germany); R. **Erstling** (interactive instruments GmbH, Bonn, Germany); H. **Stapelfeldt** (Stapelfeldt Ingenieurgesellschaft mbH, Dortmund, Germany): *"3D spatial data infrastructure and CityGML exchange model for environmental research"*

N. **de Lange**; C. **Plass** (Institute for Geoinformatics and Remote Sensing, University of Osnabrueck, Germany): *"WebGIS with Google Earth and Google Maps"*

T. **Häring**; V. **Hochschild** (Department of Geography, University of Tübingen, Germany); M. **de Paly**; C. **Henneges** (Department of Informatics, University of Tübingen, Germany): *"Modelling Tsunami Vulnerability – The development of a Tsunami Inundation Model with Machine Learning tools"*

D. **Lincke**; C. **Ionescu**; N. **Botta** (Potsdam Institute for Climate Impact Research, Germany): *"A generic library for earth system modelling based on monadic systems"*

K. **Frotscher**; C. **Hütting** (Institute for Geography, Friedrich-Schiller-University Jena): *"The monitoring potential of Terra/Aqua-MODIS data in boreal forests"*

11.00 - 11.15 Coffee Break

11.15 -11.45 Three best poster presentations

Urbanisation

11.45 – 12.45

O. **Grübner**; B. **Jakimow**; K. **Janson**; T. **Lakes**; P. **Hostert** (Humboldt University, Department of Geography, Berlin, Germany): *"Linking ecological, economic, and social data in a health data model to analyse complex dynamics in informal settlements in Dhaka, Bangladesh"*

G. **Zeug**; S. **Eckert** (Joint Research Centre of the European Commission, Institute for the Protection and Security of the Citizen, Support to External Security Unit, Ispra, Italy) T. **Kukuk**; U.,**Steiner** (GAF AG, Munich, Germany); D. **Ehrlich** (Joint Research Centre of the European Commission, Institute for the Protection and Security of the Citizen, Support to External Security Unit, Ispra, Italy): *"Monitoring urban city growth and its impact on the environment: the case study of Sana'a, Yemen"*

L. A. S. **Rondón** (Centro Interamericano de Desarrollo e Investigación Ambiental y Territorial (CIDIAT) Universidad de Los Andes. Mérida, Venezuela): *"Sustainable environmental planning as environmental management in rural municipality of Venezuela*"

M. **Moeller** (Austrian Academy of Science, GIScience, Salzburg, Austria; University of Bamberg, Institute of Geography, Bamberg, Germany): "*Metropolitan Growth Mapped from Space Images*"

12.45 - 13.00 Break

Urbanisation & Visualisation

13.00 -14.00

T. **Nocke**; T. **Sterzel** (Potsdam Institute for Climate Impact Research (PIK)); M. **Böttinger** (German Climate Computing Centre (DKRZ); M. **Wrobel** (Potsdam Institute for Climate Impact Research (PIK)): *"Visualization of Climate and Climate Change Data: An Overview"*

J.-P. **Aurambout**; C. **Pettit**; H. **Lewis** (Department of Primary Industries, Victoria, Australia): *"Digital Globes: gates to the digital earth"*

J. **Schiewe**; A. **Krek**; I. **Peters**; H. **Sternberg**; K.-P. **Traub** (Hafen City University Hamburg, Germany): „*Developing and evaluating tools for Urban Research*"

Z. **Ying**; B. **Guindon**; K. **Sun**; L. **Sun** (Canada Centre for Remote Sensing
Natural Resources Canada, Ottawa):"*Measuring Canadian Urban Expansion and Impacts: A National Portrait of Urbanization*"

14.00 -14.45 Lunch Break

14.45 – 16.45 Resumee & Panel Discussion

Software presentations:

G. Lv; Y. Wen; M. Chen; J. Shen: H. Su (Key Laboratory of Virtual Geographic Environment, Nanjing Normal University) :"Designing & Developing of VirtualGlobe for Virtual Geographic Environments "

H. Yuan; W. Xinjia (National Key Laboratory of Water Resource and Hydropower Engineering Science, Wuhan University): "Dynamic visualisation of hydroelectric project based on multilayer object-oriented graphics model"

M. Wolff; H. Asche (University of Potsdam, Researchinggroup 3D-Geoinformation): "Generating a virtual 3D precipitation map: An innovative 3D geovisualisation approach to represent climate phenomena linked to urban orography"

Simon D. Hennig; D. Hoffmeister; U. Baaser; G. Bareth (Dept. of Geography, University of Cologne): "CampusGIS 3D"

W. H. Mayer (PROGIS Software GmbH, Villach, Austria): "Planning and valuation of ecological performances with the holistic and integrated agro-environment software-technology AGROffice"

Poster Presentations:

C. Cong; D. Liu; L. Zhao (Center for Earth Observation and Digital Earth, Chinese Academy of Sciences, Beijing; Graduate University of Chinese Academy of Sciences): "A New Approach for Automatic Matching of Ground Control Points in Urban Areas from heterogeneous images"

C. Chen (College of earth sciences, Daqing Petroluem Institute, China); L. Weifeng (Sinopec Exploration & Production Research Institute, Beijing, China): "New Computer Graphics Technologies for Digital Earth Visualization"

A. Dang (Center for Science of Human Settlement, Tsinghua University, Beijing); Y. Guo (Department of Environment Science, Tsinghua University, Beijing); J. Yang (Department of Water Resources, Beijing Water Authority, Beijing): "Dynamic Variation Study on Vegetation Fraction of Chaobai River Watershed Supported by Remote Sensing"

D. Vassilaki; C. Ioannidis (School of Rural and Surveying Engineering; National Technical University of Athens); A. Stamos (School of Civil Engineering, National Technical University of Athens): “Geospatial Data Integration using Automatic Global Matching of Free-Form Curves”

Z. Dingiu; F. Jianping (Institute of Computing Technology; Shenzen Institute of Advanced Technology; Chinese Academy of Sciences): “PSDC: Parallel Simulation of Digital City”

M. Gaál (Corvinus University of Budapest): “Expected changes in climatic conditions of maize growing – Hungarian case study”

G. Schaab; P. Dammann; F. N. Muchori; N. Ojha; H. Zimmer (Faculty of Geomatics, Karlsruhe University of Applied Sciences); „Biodiversity monitoring and forest management involving geospatial data in Kakamega Forest (Kenya): Tools tailored to the users’ needs.”

M. Huang; X. Xing (School of Marine Engineering, Dalian Fisheries University, Dalian, China); J. Yu; S. Hu (Key Laboratory of Water Cycle & Related Land Surface Processes, Chinese Academy of Science, Beijing): “Estimation of Downward Atmospheric Long-wave Radiation and Regional Evapotranspiration Using Apparent Thermal Inertia”

H. Jiang; Q. Wang; X. Wang (Key Laboratory of Spatial Data Mining & Information Sharing of Ministry of Education, Fuzhou University; Spatial Information Research Center of Fujian Province, Fuzhou University, Fujian, China): “Simulation and Spatial-Temporal Analysis of forest net primary productivity in Fujian Province”

Y. Jiang; S. Bi ((Key Laboratory of Remote Sensing Information Sciences, Institute of Remote Sensing Application, Chinese Academy of Sciences, Beijing, China): “Dynamic Object-oriented Model and the applications for the Digital Earth”

J. Liao (Center for Earth Observation and Digital Earth, Chinese Academy of Sciences; Beijing); Z. Pang (State Key Laboratory of Remote Sensing, Institute of Remote Sensing Applications, Chinese Academy of Sciences, Beijing): “Estimation of Surface Parameters from Alluvial Fan in Ejina Area of the Inner Mongolia Using Multi-polarization SAR Data”

K. A. Uchua (National Centre for Remote Sensing, Jos, Nigeria): “Agricultural Landuse Planning Based on terrain characteristics using remote sensing and geographic information system in the lower benue river floodplain, Nigeria”
”

T. Lakes (Humboldt University Berlin, Department of Geography); S. Lautenbach (Humboldt University Berlin, Department of Geography; Helmholtz-Zentrum für Umweltforschung GmbH): “Modelling urban land use systems under transition – from socialist to postsocialist dynamics in urban areas”

Neumann, C. (University of Potsdam) : “Linkage of climate variables from AVHRR raster data to the heterogeneous layout of sub-catchments in the Ebro Basin”

M. Li “Multi-agent Simulation in Water Resource Based on Neural Network and Swarm Intelligence”

J. Lian (Key Lab of 3D Information Acquisition and Application, MOE, School of Resource and Environmental Science, Capital Normal University, Beijing, China); X. Li (Key Lab of Resources Environment and GIS, Beijing, China):
“Research and Development of GIS Project Based on XML”

W. Liming; W. Qinjun; C. Wei (China Remote Sensing Satellite Ground Station, CAS, Beijing, China): “Mapping urban impervious surface of Beijing based on multiresolution segmentation

A. Tarariko (Institute of Agroecology of the Ukrainian Academy of Agrarian Sciences, Kiev, Ukraine); A. Syrotenko (Institute of Agroecology of the Ukrainian Academy of Agrarian Sciences, Kiev, Ukraine); V. Grekov”(Centre of Soil Fertility State Enterprise at the Ministry of Agrarian Policy of Ukraine, Kiev, Ukraine): “Net of Agrarian Testing Polygons in System of Remote Monitoring of Agrarian Resources in Ukraine

L. Bolor-Erdenel (Mercy Corps, Gobi Forage project/Institute of Botany, Mongolian Academy of Sciences); J. Angerer (Dept of Ecosystem Science & Management, Texas A&M University, USA); S.

Granville-Ross; M. Urgamal; D. Narangerel; D. Tsogoo; T. Stewart (Mercy Corps, Gobi Forage project/ Institute of Botany, Mongolian Academy of Sciences); D. Sheehy (Dept of Ecosystem Science & Management, Texas A&M University, USA):
"Gobi Forage: An early warning system for livestock in the Gobi region of Mongolia"

A, Sharifi; M.A. Rajabi (Department of Geomatics Engineering, University of Teheran); N. F. Moghaddam (Department of Geosciensces, University of Shahid Beheshti, Teheran):
"Studying the Earthquake Effects on Lineament Density Changes by Remote Sensing Technology"

S. Shumilov, J. Laubach; A. Rogmann (Department of Computer Science III, University of Bonn):
"GLOWA Volta GeoPortal - an active geodata repository and communication system"

M. A. Popov; S. A. Stankevich; A. I. Sakhatsky, A. A. Kozlova (Scientific Centre for Aerospace Research of the Earth, Kiev, Ukraine): "Multispectral Imagery Normalized Difference Indexes for Land Cover Classification"

L. Siyuan; W. Gaojin; C. Wenjing; F. Shenzhong; F. Jianping (Shenzen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzen; Institute of Computing Technology,Chinese Academy of Sciences, Beijing): "The Feasibility Analysis and Evaluation in Water TransferProject and Environment Change"

S. Yun; L. Guoqing (Centre for Earth Observation and Digital Earth, Chinese Academy of Science):
"Study on Geospatial Data Sharing"

V. M. Korchinsky; V.I. Voloshyn (Dniprocosmos State Company, Dnepropetrovsk, Ukraine): "The Novel Method for Improvement of Information Density in Satellite-Acquired Multi-spectral Images"

V. Starovoitov: (United Institute of Informatics Problems, Minsk, Belarus): "Multispectral image pre-processing for interactive satellite image classification"

L. Weifeng (SINOPEC Exploration & Production Research Institute, Beijing, China); C. Chen (College of earth sciences, Daqing Petroleum Institute,Daqing, China); J. Nan (SINOPEC Exploration & Production Research Institute, Beijing, Chin): "CUDA-based WaveCluster: An Efficient Implementation for Multi-Resolution Spatial Data mining and knowledge discovery"

L. Weifeng (SINOPEC Exploration & Production Research Institute, Beijing, China); C. Chen (College of earth sciences, Daqing Petroleum Institute,Daqing, China);C. Fangli; J. Nan (SINOPEC Exploration & Production Research Institute, Beijing, Chin):
"Spherical Terrain Rendering on Hexagon-based Discrete Global Grid Systems"

Z. Xiaoxi; L. Dingsheng; L. Guoqing (Centre for Earth Observation and Digital Earth, Chinese Academy of Science, Beijing): "gLite Metadata Component Design and Implementation"

A. M. Dewan (Assistant professor, Department of Geography and Environment, University of Dhaka, Bangladesh); Y. Yamaguchi (Graduate Schhol of Environmental Studies, Nagoya University, Furo-cho, Chikusa Ku, Japan): "Integrating geographic information systems with remote sensing data to risk in Dhaka Megacityanalyze flood

A. M. Dewan (Assistant professor, Department of Geography and Environment, University of Dhaka, Bangladesh); Y. Yamaguchi (Graduate Schhol of Environmental Studies, Nagoya University, Furo-cho, Chikusa Ku, Japan):" Land use/cover change and Landscape Fragmentation in Dhaka Megacity: Linking GIS, Remote Sensing and Landscape Metrics"

G. Li; P. Lv; Y.Yunxuan (CEODE/CAS, Graduate School of CAS): "Research on parallel buffer analysis based on Grided based HPC): "Research on parallel buffer analysis based on Grided based HPC"

E. Ivits; M. Cherlet (DG JRC): "Land degradation addressed by satellite based long term vegetation phenological trends over Africa"

F. Mao; J. Ma (Tsinghua University, Beijing, China): "Research on Earthquake Disaster GIS of China"

L. Costa; K. Vohland; J. Kropp (Potsdam Institute for Climate Impact Research): “Mapping climate change impacts: challenge and precondition to achieve proactive adaptation”

C. Bielski; J. Nowak, P. Soille (Joint Research Centre, European Commission): ”Image2006: Current status and future developments

J. LeLievre (Department of Sustainability and Environment, Melbourne, Australia); A. Kealy (Department of Geomatics, University of Melbourne, Parkville, Australia): “Homogenous positioning using CORS networks in a Digital Earth“

J. Esquivel; D. González ; A. Andreoli (Facultad de Ciencias Forestales. Laboratorio de Ecología de Paisaje. Grupo de sensoramiento remoto, biofísica y análisis espacial. Universidad de Concepción, Concepcion Chile), J. Inzunza (Facultad de Ciencias Físicas y Matemáticas. Departamento de Geofísica. Universidad de Concepción. Chile), José Luís Arumí (Facultad de Ingeniería Agrícola. Universidad de Concepción. Vicente, Chillán. Chile):
“Comparison of modis snow-cover products for simulationg streamflow using the snowmelt runoff model: Application on an Andean basin of central Chile”

C. Jinsong (Institute of Space and Earth Information Science, The Chinese University of Hong Kong); P. Zhiyuan; Z. Songling (Institute of Planning and Designing of Agriculture Ministry of China): “Monitoring Sugarcane Growth using ENVISAT ASAR Data”

Y. Xue (Centre for Earth Observation and Digital Earth, Chinese Academy of Sciences, Beijing) W. Wei; W. Ying; W. Ying; L. Yingjie, G. Jie, A. Jianwen ; B. Linyan (State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Beijing; Graduate School of the Chinese Academy of Sciences, Beijing): “High Performance Geocomputation for Global Change Study – A Case Study of Aerosol Retrieval from Remotely Sensed Data”

A. Sharifi; M.A. Rajabi (Department of Geomatics Engineering, University of Teheran); N. F. Moghaddam (Department of Geosciensces, University of Shahid Beheshti, Teheran):
“Evaluation of Thermal Islands Logical Relation with Lineament Density Changes in Pre and Post-earthquake Satellite Images”

B. Hope; C. Kamrowski; (Department of Lands, NSW, Australia); D. Tien (Charles Sturt University, NSW, Australia) “Refined Geo-referenced Image and Imagery Metadata Standards for SDI Implementation”