GeoInformatics 2012

15-17 June 2012

Final Program (updated on 13 June 2012)

Conference Venue: Cheng Yu Tung Building, The Chinese University of Hong Kong, No. 12 Chak Cheung Street, Shatin, Hong Kong

	14 June 2012 (Thursday)				
Time	Location	Program			
2:00- 8:00pm	Hyatt Regency Hong Kong Shatin				
	Royal Park Hotel	Registration, Collection of PPT and Distribution of Conference Material			
	Wen Chih Tang, Chung Chi College				

** Please go to the hotel/ hostel <u>you stayed</u> for registration and collect the conference material. If you will <u>NOT</u> stay in the above hotel/ hostel, please go to <u>Hyatt Regency Hong Kong Shatin on 14 June 2012</u>

OR Level 1, Cheng Yu Tung Building, CUHK on 15 June 2012 for registration and collection of the conference material. Thank you!

			15 June 2012 (Friday)			
Time	Location		Program Organizer(s)			
8:30-9:00	Level 1		Registration			
9:00 – 10:35	LT1		Opening Ceremony		Hui Lin	
		9:00 - 9:45	Welcoming Remarks			
		9:45 – 10:35	Keynote Speech: The Future of Digital Earth Michael Goodchild Department of Geography, University of California, Santa Barbara			
10:35 – 11:00	Level 1- 3		Tea Break			
11:00 – 12:40 LT1	LT1		Keynote Speech Session 1 Anthony Yeh and Xiaoli Ding			
			11:00-11:50	Global Sea-Level Rise: Observations and Geophysical Causes Che Kwan Shum Division of Geodetic Science, School of Earth Sciences, The Ohio Sta	te University	
			11:50 – 12:40	Virtual Reality and Digital Cultural Heritage From Mogao Caves Deren Li Chinese Academy of Sciences	to Chi Lin Nunnery	
12:40 – 2:00	Level 1- 3		Lunch Break			
2:00 – 3:45	LT5	Session 1.1	Student Paper Competition	Shaowen Wang	Shaowen Wang	
		2:00 – 2:20	A Theoretical Approach to Domain Decomposition for Parallelizat Guo Cheng, Ning Jing, Luo Chen School of Electronic Science and Engineering, National University of	-		
			2:20 – 2:40	Travel Time Prediction Based on Historical Trajectory Data Yijuan Jiang, Xiang Li Key Laboratory of Geographical Information Science, East China No.	ormal University	
		2:40 – 3:00	Spatial Scan Statistics Analysis of County-Level Population Growt Hu Wang, Diansheng Guo Department of Geography, University of South Carolina, Columbia	h Due to Net Migration in the Con	tinental United States	
	LT1	Session 1.2	Virtual Geographic Environment I	Hui Lin, Guonian Lv, Qing Zhu, Jianhua Gong and Xiong You	Hui Lin and Guonian Lv	

	2:00 – 2:30	Keynote Speech: Visual Analytics of Movement Gennady Andrienko Fraunhofer Institute IAIS, University of Bonn		
	2:30 – 2:45	Virtual Geographic Environment System Construction for Geograph Hong ZHANG Yunnan University of Finance and Economics	ohy Field Practice in Lushan Area	
	2:45 – 3:00 Using Collaborative Virtual Geographic Environment for Fire Disaster Simulation and Virtual Fire Training Rui Wang ^{1,} Bin Chen ¹ , Fengru Huang ² , Yu Fang ¹ Institute of Remote Sensing and Geographic Information System, Peking University School of Electronics Engineering and Computer Science, Peking University Building a Smart Community Based on Virtual Geographic Environments and Internet of Things			aining
	3:00 – 3:15 Building a Smart Community Based on Virtual Geographic Environments and Internet of Things Jun Sun ^{1*} , Jianhua Gong ^{1,2} , Jieping Zhou ¹ , Wenhang Li ¹ , Qishen Duan ¹ State Key Laboratory of Remote Sensing Science Institute of Remote Sensing Applications, Chinese Academy of Sciences Zhejiang & CAS Application Center for Geoinformatics			cademy of Sciences
	3:15 – 3:30 Simulation and Visualization of Forest fire Growth in an Integrated 3D Virtual Geographical Environment - a Prelim Hongyu Huang Key Lab of Spatial Data Mining & Information Sharing of MOE			ment - a Preliminary Study
	3:30 – 3:45	Workflow based Collaborative Virtual Geographic Environment System for Risk Assessment of Dam-break in Barrier Zhu Jun ¹ , Hu Ya ¹ , Gong Jianhua ² , Li Yi ² ¹ Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University ² Institute of Remote Sensing Applications, Chinese Academy of Sciences		-break in Barrier Lake
LT6	Session 1.3	High Performance Computer, Cyber GIS and Digital Divide I	A-Xing Zhu, Ning Jing, Luo Chen and Chenghu Zhou	A-Xing Zhu and Lei Wang
	2:00 – 2:15	Two-level Parallelization for Fully Distributed Hydrologic Modelling Junzhi Liu ¹ , A-Xing Zhu ² ¹ State Key Lab of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences ² Department of Geography, University of Wisconsin-Madison		
	2:15 – 2:30	Parallel Flow-Accumulation Calculation for Hydrology Analysis in Large Digital Elevation Models Ling Jiang, Guo-an Tang, Xiaodong Song Nanjing Normal University		
	2:30 – 2:45	Research on Parallel Computing of Spatial Vector Data Conversion Based on Common Interface Xiaohui Jiang, Zhenjie Chen Department of Geographical Information Science, Nanjing University		
	2:45 – 3:00	A distributed GIS vector data cache framework for high performa Hao Yu and Yong Gao Peking University	nce visualization and data updatir	ng
	3:00 – 3:15	Parallelized Remote Sensing Classifier Based on Rough Set Theorem Xin Pan and Shuqing Zhang Northeast Institute of Geography and Agroecology, Chinese Academ		

		3:15 – 3:30	Wanshou Jiang, Wei Guo, Jing Zhang, and Huayi Wu State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University		
			Discussant: Chaowei Yang		
	LT3	Session 1.4	Conceptual Issues in Geographic Data Handling	Program Committee	Feng Lu
		2:00 – 2:15	Automated Generation of Schematic Network Maps: Two Princip Zhilin Li The Hong Kong Polytechnic University	les and A New Strategy	
		2:15 – 2:30	The Science and Practice of Cartographic Interaction Robert E. Roth University of Wisconsin-Madison		
		2:30 – 2:45	Towards a New Generation of Geospatial Catalog System Yuqi Bai Tsinghua University		
		2:45 – 3:00	Research Framework and Key Technology of Electric Map Multi-s Fenli Jia Information Engineering University, Zhengzhou	cale Representation	
		3:00 – 3:15	Empirical Analysis in Factors Affecting Spatial Data Sharing Hsien Chao and Tien-Yin Chou Dept. of Civil and Hydraulic Engineering, Feng Chia University		
		3:15 – 3:30	Intelligent Geospatial Data Searching Mechanism for Change Det Jung-Hong Hong and Yao-Hsien Yeh Dept. of Geomatics, National Cheng-Kung University	ection: A Metadata Perspective	
		3:30-3:45	Standardization Movement in Geographic Information Science and Hanming Tu Octagon Research		
3:45-4:10	Level 1- 3		Tea Break		
4:10-6:10	LT5	Session 1.5	GIS for Social Network Analysis	Shih-Lung Shaw	Shih-Lung Shaw and Bor-Wen Tsai
		4:10 – 4:25	A Space-time GIS of Integrating Physical, Virtual, and Social Activities Ling Yin ¹ and Shih-Lung Shaw ² ¹ Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences ² Department of Geography, The University of Tennessee at Knoxville, Knoxville, TN, USA		
		4:25 – 4:40			
		4:40 – 4:55		, ,	

	4.55 5:40	Mahila Contial Internation in the Fotour Internat of The					
	4:55 – 5:10	Mobile Spatial Interaction in the Future Internet of Things James D. Carswell and Junjun Yin					
			Contro Dublin Institute of Total				
	5.40 5.05	Digital Media Centre, Dublin Institute of Technology Digital Media		gy			
	5:10 - 5:25	5:10 – 5:25 Classification of an indoor routing network based on graph theory					
		Jukka M. Krisp, Patrick Peer and Linfang Ding					
		Technical University Munich (TUM), Cartography, Arcisstraße					
	5:25 – 5:40	Data Mining and Visualization Research of Check-in Data					
		Ming Wang, Longkun Qin, and Qingwu Hu					
		School of Remote Sensing and Information Engineering, Wuhan Ur	niversity				
	5:40 - 5:55	The Meaning of A Place: The case of Gongguan (公館) by VGI					
		Bor-Wen Tsai and Yu-Ling Hsu					
		Department of Geography, National Taiwan University					
LT1			Hui Lin, Guonian Lv,				
	Session 1.6	Virtual Geographic Environment II	Qing Zhu, Jianhua Gong	Yuemin Ding			
	50351011 210	Tintaan Goog. aprilo 21111 on 1111 on	and Xiong You	and Qing Zhu			
	4:10 – 4:25	A Research on 3D Reconstruction of Building Rooftop Models fro					
		Lihua Tong, Manchun Li, Yanming Chen, Yafei Wang, Wen Zhang, and Liang Cheng					
		Department of Geographical Information Science, Nanjing University					
	4:25 – 4:40	Automatic Reconstruction of 3D Virtual Geographic Scene Based on Aerial Images					
	4.25	Ka Zhang, Yehua Sheng, and Guonian Lv					
		Key Laboratory of Virtual Geographic Environment, MOE, Nanjing Normal University					
	4:40 – 4:55						
	4.40 – 4.55	Study on Coal Mine Real-time Gas Early Warning System Based on 3D geological Model Mei Li ¹ and Jinchuan Chen ²					
		¹ Institute of Remote Sensing and Geographic Information System,	Pakina University				
		² College of Resources Environment and Tourism, Capital Normal U					
	4:55 – 5:10		liversity				
	4.33 - 3.10	An Immersive Visualization System for Virtual 3D City Models Juri Engel, Sebastian Pasewaldt, Matthias Trapp, and Jürgen DöLner					
		Hasso-Plattner-Institut, University of Potsdam	:1				
	5:10 – 5:25	Integration of Virtual Reality with GIS					
	5.10 - 5.25	,					
		Liangchen Zhou, Bingxian Lin, Ming Liao, Jing Dai, and Guonian Lv	University				
	F.2F F.40	Key Lab of Virtual Geographic Environment, MOE, Nanjing Normal					
	5:25 – 5:40	Semantics Constrained Profiling Approach for Complicated 3D Cit	y iviodeis				
		Xiao Xie, Qing Zhu, Weiping Xu, Yeting Zhang, and Zhiqiang Du	aminan and Damasta Carrainan 147 /	Laireanite.			
	5.40 5.55	State Key Laboratory of Information Engineering in Surveying, Map		Jriiversity			
	5:40 – 5:55	A Tentative Study on the Virtual Geographic Environment (VGE)	Ald Urban Design				
		Tianpeng Lin, Hui Lin, Mingyuan Hu					
		Institute of Space and Earth Information Science, The Chinese Univ					
LT6	Session 1.7	High Performance Computer, Cyber GIS and Digital Divide II	A-Xing Zhu, Ning Jing, Luo Chen and Chenghu Zhou	Ning Jing and Aijun Chen			
	4:10 - 4:25	A Distributed Geospatial Data Storage and Processing Framewor	c for Large-Scale WebGIS				
		Yungin Zhong, Jizhong Han, and Jinyun Fang					

	Institute of Computing Technology, Chinese Academy of Sciences
4:25 – 4:40	Decomposition Method of Raster Geographic Data Based on Parallel Computing
	Zhibin Jin, Yingxia Pu, Jiechen Wang, Jingsong Ma, and Gang Chen
	School of Geographic and Oceanographic Sciences, Nanjing University
4:40 - 4:55	Research on Distributed Hilbert R tree Spatial Index Based on BIRCH Clustering
	Yizhou Yang ¹ , Lixin Wu ¹² , JiatengGuo ¹ , and Shanjun Liu ¹
	Institute for Geo-informatics & Digital Mine Research, Northeastern University, Academy of Disaster Reduction and Emergency
	Management, Beijing Normal University
4:55 – 5:10	A Parallel Index Supprorting Concurrent Queries For Finding Relevant Remote Sensing Images
	Hui-zhong Chen ¹ , Yong-Guang Chen ² , Ning Jing ¹ , and Luo Chen ¹
	¹ College of Electronic Science and Engineering, National University of Defense Technology
	² Ordnance Engineering College
5:10 - 5:25	Research on Parallel Algorithm for Polygon Rasterization
	Yafei Wang and Zhenjie Chen
	Department of Geographical Information Science, Nanjing University
5:25 – 5:40	Application-matching Knowledge Based Engine for a Modelling Environment for Digital Terrain Analysis
	Yan-jun Lu, Cheng-zhi Qin, A-Xing Zhu, and Wei-li Qiu
	School of Geography, Beijing Normal University, State Key Laboratory of Resources and Environmental Information System, Institute
	of Geographic Sciences and Natural Resources Research, Department of Geography, University of Wisconsin Madison
	Discussant: Shaowen Wang

LT3	Session 1.8	GIS EcoSystem Studies and Conservation	Program Committee	Anrong Dang and Demin Zhou		
	4:10 – 4:25	Trends in Temperature and Extreme Temperature over the Beijing	g-Tianjin-Hebei Metropolitan Reg	ion During 1957-2009		
		Dan Meng*, Huili Gong, Xiaojuan Li, and Demin Zhou	and digital signalation. Knowled			
		State Key Laboratory Cultivation Base of Urban environmental proc Environment and GIS in Beijing, Key Laboratory of 3D Information A	=			
		Resources Environment and Tourism, Capital Normal University	acquisition and Application, willist	ry of Education, College of		
	4:25 – 4:40	Research on sensitivity evaluation of soil erosion based on GIS in	Jixi County			
		Jing Zhang, Man-chun Li, Chao-ran Yang, Chen Yang, Yong-xing Wai	n, and Fei-xue Li			
		School of Geographic and Oceanographic Science, Nanjing Universi	ty			
	4:40 - 4:55	The impact on the Oriental White Stork habitat due to the agricul	ture development in Sanjiang Pla	in, Northeast China		
		Ling Zhang _{1,2,3} , Xiaojuan Li ^{1,2,3*} , Xiaomeng Liu ^{1,2,3} and Demin Zhou	2			
	¹ Base of the State Laboratory of Urban Environmental Processes and Digital Modeling, ² Key Laboratory of 3D Info					
	1.55 5.40	Acquisition and Application, Ministry of Education, *College of Reso		ipital Normal University		
	4:55 – 5:10 Identification of Critical Source Areas of Soil Erosion Using a GIS-based Watershed Model					
		Lajiao Chen ¹² and A-Xing Zhu ³ 1 State Key Lab of Resources and Environmental Information System	Institute of Geographic Sciences	and Natural Pesaurces		
		Research, Chinese Academy of Sciences	, mstitute of Geographic Sciences	una Naturai Kesources		
		² Graduate University of Chinese Academy of Sciences, Chinese Academy	lemy of Sciences			
		³ Department of Geography, University of Wisconsin-Madison, Mad				
	5:10 - 5:25	Study on natural and human impacts on red-crowned crane habit		al Reserve		
		HongWang ¹ , Jay Gao ² , and Liliang Ren ¹				
		¹ State Key Laboratory of Hydrology-Water Resources and Hydraulic	Engineering, School of Earth Scier	nces and Engineering, Hohai		
		University				
		² School of Environment, University of Auckland				
	5:25 – 5:40	Essential Concept and General Framework of Smart National Parl	k			
		Anrong Dang, Danming Zhang, and Xia Peng				
		School of Architecture, Tsinghua University				

	LT4	Session 1.9	Panel Discussion-Supporting Women in GIS	Moderator: Yongmei Lu
		4:10-6:10	Panelists: Peng Gong, University of California, Berkeley & Tsing-Hua University Mei-Po Kwan, University of California, Berkeley Nina Lam, Louisiana State University Lin Liu, University of Cincinnati Yongmei Lu, Texas state University Lan Mu, University of Georgia Xun Shi, Dartmouth College Bing Xu, Tsinghua University Xiaobai Yao, University of Georgia	
6:10-6:30			Break	
6:30-9:00	Welcome Banquet at Regency Ballroom, Hyatt Regency Hong Kong, Shatin			

			16 June 2012 (Saturday)		
Time	Location		Program	Organizer(s)	Chair(s)
9:00-11:15 LT1	LT1		Keynote Speech Session 2		Fahui Wang and Yongmei Lu
		9:00 – 9:45	Modeling and Predicting Crowding and Congestion in Small Space Michael Batty Center for Advanced Spatial Analysis (CASA), University College Lon	-	
		9:45 – 10:30	How GIS Can Help Address the Uncertain Geographic Context Prol Mei-Po Kwan Department of Geography, University of California, Berkeley		
		10:30 - 11:15	New Mapping and Analysis Tools for Global Change Studies Peng Gong Environmental Science Policy and Management, University of Califo	ornia, Berkeley	
11:15-11:30	Level 1- 3		Tea Break		
11:30-12:55	LT1	Session 2.1	Panel Discussion- Spatiotemporal Thinking, Computing, and Applications	Hui Lin and Chaowei Yang	Moderator: Chaowei Yang and Bo Huang
		11:30-12:55	Panelists: Mike Batty, University College , London - Urban Simulations Mike Goodchild, University of California, Santa Barbara - GlScience 2.0 Diansheng Guo, University of South Carolina - Spatiotemporal Visualization Yee Leung, The Chinese University of Hong Kong - A remark on scale in spatio-temporal analysis Mei-Po Kwan, University of California, Berkeley - Spatiotemporal Social Sciences Xia Li, Sun Yat-sen University - Agent-Based Modeling for Spatial Decision Making Shih-Lung Shaw, University of Tennessee/Wuhan University - Space-Time Geography We will have 10 minutes presentation from each panelist followed by discussions on a set of strategic questions sent to the pane and shared with the audience. This panel is one of a series of panels organized in several venues with the objective of identifying a research agenda for the sam name Industry/University Cooperative Research Center.		ic questions sent to the panelist
12:55-2:00	Level 1- 3		Lunch Break and Taylor & Francis	Reception at Level 2	

2:00-3:45	Executive	Session 2.2	Workshop on Cyber GIS		Shaowen Wang			
	Lounge	2:00-3:45						
	LT1	Session 2.3	High Performance Computer, Cyber GIS and Digital Divide III	A-Xing Zhu, Ning Jing, Luo Chen and Chenghu Zhou	Bin Li and Qinghua Guo			
		2:00 – 2:15	A Novel Parallel Depression Removing Algorithm for Hydrology Analysis in Digital Elevation Models Xiaodong Song, Guo-an Tang, Ling Jiang, Gang Zhang, and Kejian Qian Key Lab of Virtual Geographical Environment, Ministry of Education, Nanjing Normal University					
		2:15 – 2:30	A Parallel Shortest Path Algorithms Based On Striping-Partition Zhenglong Tang, Wenbin Sun, Zhiyuan Yan, Jiang Wang, and Huili L China University of Mining & Technology					
		2:30 – 2:45	A Parallelized Multi-objective Particle Swarm Optimization model Dianfeng Liu ^{1,2} , Yaolin Liu ^{1,2} *, Yanfang Liu ^{1,2} , and Xiang Zhao ^{1,2} ¹ School of Resource and Environment Science, Wuhan University ² Ministry of Education Key Laboratory of Geographic Information S.					
		2:45 – 3:00						
		3:00 – 3:15	A MapReduce Approach for Processing Large-scale Remote Sensin Yi Liu ¹ , Luo Chen ¹ , Jing Ning ¹ , and Dianhua Yang ² ¹ College of Electronic Science and Engineering, National University 2 ⁸ Key Lab of 3D Information Acquisition and Application, Ministry of	ng Images of Defense Technology	sitv			
		3:15 – 3:30	Mapping Sub-nosed Monkey Habitats in the Digital Age A-Xing Zhu Department of Geography, University of Wisconsin	, , , , , , , , , , , , , , , , , , , ,	,			

		Discussant: Diansheng Guo					
LT6	Session 2.4	GIS and Studies of Natural Disasters I	Wanglin Yan	Wanglin Yan and Rongrong Li			
	2:00 – 2:15	Leading Talk: Challenges to Spatial Information Science after March 2 Yasushi Asami The Center for Spatial Information Science, The University of Tokyo	11				
	2:15 – 2:30	Development and Application of a General-use Mapping Tool for Relief and Reconstruction Activities after March 11 Hitoshi Taguchi, Yuichiro Usuda, Tai-young Yi, Yohei Sunaga, Hiroaki Tsubokawa, and Toshinari Nagasaka Social System Research Department, National Research Institute for Earth Science and Disaster Prevention					
	2:30 – 2:45	Quantifying the Effect of DEM Error on an Expert Knowledge-based A Lili Bao ¹ , Cheng-Zhi Qin ^{1*} , and A-Xing Zhu ^{1,2}					
		¹ State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natu Research ² Department of Geography, University of Wisconsin Madison					
	2:45 – 3:00						
	3:00 – 3:15	Risk Analysis of City Emergency Evacuation based on Multi-Agent Simulation Zhiyong Lin, Zhao Yan, and Jie Shan School of Remote Sensing and Information Engineering, Wuhan University					
	3:15 – 3:30	Estimate the Economic Losses of Hurricane IKE in the Greater Houston Region Qisheng Pan Department of Urban Planning and Environmental Policy, Texas Southern University, Houston					
	3:30 – 3:45	Development and Application of GIS for Post-Disaster Reconstruction Akihiro Oba ¹ and Wanglin Yan ² * ¹ Graduate School of Media and Governance, Keio University ² Faculty of Environment and Information Studies, Keio University					
LT5	Session 2.5	Spatial Crime Analysis and Modeling	Xinyue Ye and Lin Liu	Xinyue Ye and Lin Liu			
	2:00 – 2:15	Measuring scales of space-time interaction among crime events Xinyue Ye ¹ , Michael Carroll ² , Ling Wu ³ ¹ Center for Regional Development and School of Earth, Environment and Center for Regional Development and Department of Economics, Bow College of Criminal Justice, Sam Houston State University		niversity			

	2:30 – 2:45	A Residential Burglary Simulation Model with Real-World Calibratio	on				
		Fang Qiu and Bryan Chastain					
		The University of Texas at Dallas					
	2:45 - 3:00	Geospatial Data Integration and Processing for the Investigation of	Urban Neighborhood Crime				
		Weiming Li					
		California State Polytechnic University, Pomona					
	3:00 – 3:15 An Analysis of Crime Hot Spots Using GPS Tracking Data of Children and Agent-Based Simulation Modeling George Kikuchi ¹ *, Mamoru Amemiya ² , and Takahito Shimada ³			eling			
		¹ Department of Criminology, California State University,					
	² Center of Spatial Information Science, University of Tokyo						
		³ Department of Criminology and Behavioral Sciences, National Research Institute of Police Science					
	3:15 – 3:30	Progress of Crime Geography in China					
		Lin Liu, Chao Jiang, and Huanli Tang					
		School of Geography and Planning, Sun Yat-sen University					
LT3	Session 2.6	GIS-based Application Systems	Program Committee	Xiaohua Tong and Yuan Tian			
	2:00 – 2:15	Assessment of Wetland Ecological Health in Honghe from 1975 to 2006					
		Yiran Zhang ¹ , Yihan Wang ² , and Demin Zhou ³ *					
		¹ Base of the State Laboratory of Urban Environmental Processes and Digital Modeling,Capital Normal University					
		² Laboratory of Riverine Ecological Conservation and Technology, Chin	nese Research Academy of Environme	ntal Sciences			
		³ Northeast Institute of Geography and Agricultural Ecology, Chinese A	Academy of Sciences				
	2:15 - 2:30	Pollution Source Management and Pollution Emergency Response D	Decision Support Platform of Spatial	Information			
		Kun Yang					
		GIS Technology Research Center of Resource and Environment in Wes	stern China, Ministry of Education				
	2:30 - 2:45	Agent-Based Analysis of the Diffusion of Photovoltaic Energy System	ns between Households				
		Tomoki Kobayashi ¹ , Wanglin Yan ² *					
		¹ Graduate School of Media and Governance, Keio University					
		² Faculty of Environmental Information,Keio University					
	2:45 - 3:00	An intelligent visualization system for landslide monitoring with mu					
		Wen Chen ¹ , Hongchao Fan ¹ , Tiantian Feng ^{1,2} , Guochao Wu ^{1,2} , Weiyue	Li ^{1,2} , Gang Qiao ^{1,2} , Hangbin Wu ^{1,2} , Xia	ohua Tong ^{1,2} , Chun Liu ^{1,2} ,			
		Weian Wang ^{1,2} , and Rongxing Li ^{1,3}					
		Weian Wang ^{1,2} , and Rongxing Li ^{1,3} ¹ Center for Spatial Information Science and Sustainable Development ² Department of Surveying and Geoinformatics, Tongji University	t, Tongji University				

3:45-4:10	Level 1- 3		Tea Break				
0.45.4.15			Department of Geography, The Ohio State University				
		5.50 5.45	Desheng Liu and Xiaolin Zhu	··			
		3:30 – 3:45	An MAP-MRF Approach to Landsat ETM+ SLC-off Image Classification	•			
			School of Resource and Environmental Science, Capital Normal Univer	rsitv			
		3:15 – 3:30	An Image Fusion Method Based on Region Segmentation and Wavel Ping Sun and Lei Deng	iet iransform			
		2.45 2.20	The Academy of Opto-electronics, The College of GeoScience and Surv				
			Guifeng Zhang and Lina Yi				
		3:00 – 3:15	Feature selection using rough set theory for object-oriented classific	cation of remote sensing imagery			
			Department of Geography and Anthropology, Louisiana State Univers	ity			
			Lei Wang				
		2:45 – 3:00	Morphologic feature detection from LiDAR data using BU algorithm				
			The College of GeoScience and Surveying Engineering, The Academy of Opto-electronics, Chinese Academy of Sciences				
		2:30 – 2:45	Object-oriented remote sensing imagery classification accuracy assessment based on confusion matrix Lina Yi and Guifeng Zhang				
		2:20 2:45	Institute of Remote Sensing and Geographic Information System, Peking University				
			Liang Liu and Yuan Tian*				
		2:15 – 2:30	Design and Implementation of Cross-platform GIS Prototype for Geological Applications of RS				
		Beijing Normal University					
		2.00 2.13	Degiang Gan, Keping Du, and Yonghua Qu				
	LIZ	2:00 – 2:15	Remote Sensing Algorithm Platform in Windows Azure	Frogram Committee	Desireng Liuanu Fang Qiu		
	LT2	Session 2.7	Remote Sensing Techniques I	Program Committee	Desheng Liuand Fang Qiu		
			Shanjun Mao Institute of Remote Sensing and Geographic Information System, Peki	ina University			
		3:30 – 3:45	The Concept and Framework of Smart Coalmine				
			² Yangtze River Urban Architectural Design CO., LTD.				
			School of Architecture and Urban Planning Nanjing University				
		3:15 – 3:30	A Method for Optimizing the Volume of Earthwork in the Design of Ziyu Tong ¹ and Rong Zhong ²	iviountain Building			
		2.45 2.20	³ An IAEA-CAEA Joint Exploration Technique Center of Uranium Resour				
			² Peking University, Beijing Research Institute of Uranium Geology				
			¹ Institute of Remote Sensing and Geographic Information System				
			Yilin Yongan Zhao ^{1,2,3} , Shutao Huang ² , Lun Wu ¹ , Yuan Tian ^{1*}				
		3:00 – 3:15	Development and Application of Three-dimension Simulation Engin	ne in Geological Environment Simu	lation with A Case Study in		

4:10-5:55	Executive Lounge	Session 2.8	Workshop on Cloud Computing	Chaowei Yang	
		4:10-5:55	(Only for workshop registered delegates and pre-registration is required)		
			Prerequisites: Understanding GIS basics and cloud computing concepts, and working experience with Web transaction from ctrip.com	ns, such as purchasing tickets	
	Description: Cloud computing provides a new generation cyberinfrastructure for computing needs of scientific research, application and education. Cloud computing has supported projects with different computing needs. These projects range from WebGIS to high performance computing geospatial simulations. By leveraging cloud computing, the projects can enough computing resources (that is not available previously to the public) while without having to worry maintenance and system administration. Most of all, cloud computing reduces the project cost by charging the p computing is being used in a pay-as-you-go fashion. Many broad spectrum projects were conducted to invest computing can support GIS and geospatial sciences and the projects' feedback was utilized to help build better platform.				
			This tutorial integrates GMU CISC's experiences in the projects of InterAgency GeoCloud, NASA clearinghouse, cloud-enable the NASA spatial web portal, and the design and development of Data as three topics in this 1 hour and 45 mins tutorial for participants to gain a practical and in depth ur computing:	a Service (DaaS). I will cover	
			 A 30-minute introduction to spatial cloud computing will build the common understanding of he geoinformatics and how spatiotemporal thinking and computing have played in building a bett A 30-minute hands-on experience will give participants the opportunity to cloud-enable a geos one from three different cloud platforms: a) Amazon EC2 (laaS), b) Microsoft Azure (PaaS), and A 30 minutes presentation will introduce the cutting-edge research and development example computing based on a special issue of spatial cloud computing and two geospatial communities 15 minutes Q&As 	er cloud computing platform. patial application by choosing c) CISC private cloud (DaaS). ples for utilizing spatial cloud	
			The participants will a) learn fundamentals of cloud computing, b) practice how to cloud-enable a understand the future research directions.	geospatial application and c)	

LT6	Session 2.9	GIS and Studies of Natural Disasters II	Wanglin Yan	Nina Lam and Wanglin Yan				
	4:10-4:25	A GIS Augmented Medium-Term Earthquake Forecast System						
		a Earthquake Administration						
	4:25 - 4:40							
		Lai Wei and Zhuowei Hu						
		College of Resources Environment and Tourism, Capital Normal University, Ke	y Lab of Resources Environm	ent and GIS, Key Lab of				
				, , ,				
	4:40 – 4:55							
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		· · · · · · · · · · · · · · · · · · ·	ey Lab of 3D Information Acqu	isition and Application				
			•					
	3 Department of Design for Sustainable Environment, Ming Dao University 5:10 – 5:25 Natural Disaster Risk Communication-Understandings, Framework, Targets and Challenges							
	3.23 3.40							
			erina Research Institute Chin	ese Arademy of Sciences				
	5:40 - 5:55			ese Academy of Sciences				
	3.40 3.33							
			akei					
ITE				Tien-Yin Chou				
LIS	Session 2.10	Monitoring and Modeling Land Use I	Program Committee	and Xingfa Gu				
	4·10 – 4·25	Using an improved spatial clustering model for evaluation of industry agglo	meration	ana zangia eu				
	4.10 4.25							
	4.25 - 4.40			ngtan County				
	1.25 1.70	, , , , , , , , , , , , , , , , , , ,						
		Wu-yang Hong, Man-chun Li, Yong-xing Wang, Na Lin2, Jin-biao Wei, and Fei-xue Li Department of Geographic Information Science, School of Geographic & Oceanographic Sciences, Nanjing University, College						
				University College				
	LT5	4:10-4:25 4:25-4:40 4:40-4:55 4:55-5:10 5:10-5:25 5:25-5:40	4:10-4:25 A GIS Augmented Medium-Term Earthquake Forecast System Benjamin Zhan ¹ , Zhongliang Cai ² , Zhiyue Lu ² , and Yiqing Zhu ³ ¹ Texas State University-San Marcos ² School of Resource and Environmental Science, Wuhan University ³ Chinese Antarctic Center of Surveying and Mapping, Wuhan University, Chin Analysis of Texture Extraction Parameters in Oil Spill Monitoring by SAR Im Lai Wei and Zhuowei Hu College of Resources Environment and Tourism, Capital Normal University, Ke Integrated Disaster Assessment and Risk Governance of the Ministry of Civil A Integrated Disaster Assessment and Risk Governance of the Ministry of Civil A Research on the Management and Expression of Disaster Data Yu Ma, Fuzhou Duan, Hao Liu, Jinyan Tian, and Guangyao Duan College of Resources Environment and Tourism, Capital Normal University, Ke Using SOM and DBSCAN-based Models for Landslide Hazard and Spatial Co Pi-Hui Huang ¹ , Wen-Chieh Chou ² , and Wen-Tzu Lin ³ Department of Land Management, Feng Chia University Department of Design for Sustainable Environment, Ming Dao University Department of Design for Sustainable Environment, Ming Dao University Department of Design for Sustainable Environment, Ming Dao University August Angels River Scientific Research Institute A Hazard Assessment of Secondary Disasters after Earthquake in Wenchuai Wei Yang ¹ , Zhong Zheng ² and Wenji Zhao ² Urban Environmental Process and Digital Modeling Laboratory Capital Normal University, Cold and Arid Regions Environmental and Enginee 5:40 – 5:55 On Community Resilience Measurement: Bridging Geospatial Analysis and Nina Lam, Margret Reams, Kenan Li, Fei Wang, Danielle LaRock, and Ariele Bi Department of Environmental Sciences Louisiana State University Monitoring and Modeling Land Use I Using an improved spatial clustering model for evaluation of industry agglo Pi-Hui Huang ¹ , Tien-Yin Chou ² , and Wen-Tzu Lin ² Deportment of Urban Planning and Spatial Information, Feng Chia University Department of Orban Planning and Spatial Infor	4:10–4:25 A GIS Augmented Medium-Term Earthquake Forecast System Benjamin Zhan ¹ , Zhongliang Cai ¹ , Zhiyue Lu ¹ , and Yiqing Zhu ² ¹ Texas State University-San Marcos ² School of Resource and Environmental Science, Wuhan University ² Chinese Antarctic Center of Surveying and Mapping, Wuhan University, China Earthquake Administration Analysis of Texture Extraction Parameters in Oil Spill Monitoring by SAR Image Lai Wei and Zhuowei Hu College of Resources Environment and Tourism, Capital Normal University, Key Lab of Resources Environment Integrated Disaster Assessment and Risk Governance of the Ministry of Civil Affairs Research on the Management and Expression of Disaster Data Yu Ma, Fuzhou Duan, Hao Liu, Jinyan Tian, and Guangyao Duan College of Resources Environment and Tourism, Capital Normal University, Key Lab of 3D Information Acqu. 4:55 – 5:10 Using SOM and DBSCAN-based Models for Landslide Hazard and Spatial Correlations Analysis: A Case St Pi-Hui Huang ¹ , Wen-Chieh Chou ² , and Wen-Tzu Lin ^{3*} ¹ Department of Land Management, Feng Chia University ² Department of Civil Engineering and Engineering Informatics, Chung Hua University ³ Department of Design for Sustainable Environment, Ming Dao University ³ Department of Design for Sustainable Environment, Ming Dao University 5:10 – 5:25 Natural Disaster Risk Communication-Understandings, Framework, Targets and Challenges Daviang Xiang Changjiang River Scientific Research Institute 5:25 – 5:40 A Hazard Assessment of Secondary Disasters after Earthquake in Wenchuan Wei Yang ² , Zhong Zheng ² and Wenji Zhao ² ¹ Urban Environmental Process and Digital Modeling Laboratory ² Capital Normal University, Cold and Arid Regions Environmental and Engineering Research Institute, Chine 5:40 – 5:55 Monitoring and Modeling Land Use I Program Committee LTS Session 2.10 Wontroll Cand Management, Feng Chia University ² Department of Land Management, Feng Chia University ³ Department of University Chine Chaud Huniversi				

	4:40 – 4:55	Zoning Analysis of Ecosystem Services Value in downtown of Langfang City Kun Mao, Qiuhao Huang, Min Liu, Wei Chen, and Manchun Li Key Laboratory of Geographical Information Science, School of Geographic &			
	4:55 – 5:10	Study on the Conversion between Farmland and Pastoral Land and its Affection Min Liu, Manchun Li, Xiaoyan Li, Hexia Zhang, Qun zhang, and Qiuhao Huan Key Laboratory of Geographical Information Science, School of Geographic &	g Oceanographic Sciences, Nar	njing University	
	5:10 – 5:25	Comparison of Different Classifiers for Land Use Classification of Multispec Takuya Inoue, Guido Waldhoff and Georg Bareth Geography, University of Cologne	tral Remote Sensing Imagery	1	
LT3	Session 2.11	Geodetic Science and Global Change	Hansheng Wang, Holger Steffen and Liming Jiang	Holger Steffen and Hansheng Wang	
	4:10-4:30	Evaluation of groundwater depletion in North China using the Gravity Recovery and Climate Experiment (GRACE) and in situ observations (Invited talk) Min Zhong ^{1,2} *, Wei Feng ^{1,3,4} , Hou-Ze Xu ^{1,2} , and Jean-Michel Lemoine ⁴ ¹ State Key Laboratory of Geodesy and Earth's Dynamics ² Institute of Geodesy and Geophysics, Chinese Academy of Sciences, Institute of Geophysics, Huazhong University of Science and Technology ³ Graduate University of Chinese Academy of Sciences ⁴ CNES/GRGS, Toulouse			
	4:30 – 4:50	Geodetic measurements of current mass movements and their implications for global change (Invited talk) Holger Steffen ¹ , Patrick Wu ² , Hansheng Wang ³ , and Lulu Jia ³ ¹ Department of Geoscience, University of Calgary, Calgary, University of Calgary ² State Key Laboratory of Geodesy and Earth's Dynamics, Institute of Geodesy and Geophysics, Chinese Academy of Sciences ³ State Key Laboratory of Geodesy and Earth's Dynamics, Institute of Geodesy and Geophysics, Chinese Academy of Sciences			
	4:50 – 5:05	The Ice Mass Balance of East Antarctica from Satellite Altimetry and GRACE Yuande Yang, Dongchen E, Fei Li, and Cheinway Hwang Chinese Antarctic Center of Surveying and Mapping, Wuhan University Department of Civil Engineering, National Chiao Tung University			
	5:05 – 5:20	Surface Movement of Mountain Glaciers in the Tuomuer-Khan Tengri Mou Jia Li and Zhiwei Li School of Geoscience and Info-Physics, Central South University	ntain Ranges		
	5:20 – 5:35	Zero Calibration of Bottom Pressure Gauge in Antarctic: A Case Study at Ch Jifeng Huang, Dongchen E, and Shengkai Zhang Chinese Antarctic Center of Surveying and Mapping, Wuhan University	inese Zhongshan Station Usi	ng GPS Techniques	
	5:35 – 5:50	Displacement Estimation of Gangotri Glacier with TerraSAR-X Quad-pol Date Lin Liu ¹ , Liming Jiang ^{1*} , Hansheng Wang ¹ , Qiang Shen ¹ , and Bo Hu ^{1,2} ¹ Key Laboratory of Dynamical Geodesy, Institute of Geodesy and Geophysics, ² Graduate School of Chinese Academy of Sciences		s	

	LT2	Session 2.12	Remote Sensing Techniques II	Program Committee	Jie Shan and Jin-Tsong Hwang		
		4:10 – 4:25	An Improved Segmentation of High Spatial Resolution Remote Sensing Ima Boren Li and Mao Pan	ge based Marker-based Wa	tershed Algorithm		
		4:25 – 4:40	School of Earth and Space Sciences, Peking University Modification of SMB speckle filter for polarimetric TerraSAR-X data Hongzhong Li and Jinsong Chen Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences				
		4:40 - 4:55	Denoising of Hyperspectral Imagery Using a Spatial-Spectral Domain Mixing Shaolin Chen, Xiyuan Hu, and Silong Peng National ASIC Design and Engineering Center (NADEC), Institute of Automatic		ces		
		4:55 – 5:10	Object-Oriented Land Cover Classification of HJ-1A/B CCD Image based on I Jianhui Xu, Weimin Ju, and Zhongwen Hu International Institute for Earth system Science, Nanjing University				
		5:10 – 5:25	Semi-automatic Segmentation of High Resolution Remote Sensing Image Bar Zhenhua Wang and Xiangyun Hu School of Remote Sensing and Information Engineering, Wuhan University	ased on Region Growing			
		5:25 – 5:40					
	LT1	4:10-5:55	CPGIS Work Meeting	Xun Shi and Diansheng Gu)		
6:00		Assembly at	Level 1, Cheng Yu Tung Building after the program. Coaches will be arranged	to Kowloon Public Pier, Tsim	Sha Tsui		
7:00-9:30			CPGIS Night- Symphony of Lights Cruise (for CPGIS members and invited guests only)				

	17 June 2012 (Sunday)							
Time	Location			Program	Organizer(s)	Chair(s)		
9:00-10:15	Level 2	Session 3.1		Poster Session		Matthew Pang		
		9:00-10:15		Research of Floods Rapid Extraction Based on		•		
			95	Rui Zhang and Yonghua Sun				
				Capital Normal University				
				The Method for Rapid Extraction of Vegetation Supply Water Index				
			102	Zhuowei Hu and Meichen Guo				
				Capital Normal University				
			44-	Responses of grasslands and forests to drought in Northeast China				
			117	- 0 - 0 - 1				
				Beijing Normal University	lo of Muin District Change	hav. China		
			132	Study on Industrial Land Consolidation Based on GIS—Take an Example Xiaowei Ma and Zhenjie Chen	ie or wujin District, Changzi	nou, China		
			132	Department of Geographical Information Science, Nanjing University				
				Comparative spatio-spectral heterogeneity analysis using broadband	and hyperspectral airhorne	images		
			164	Bingwen Qiu	and hyperspectral andonic	mages		
				Fuzhou University				
				Database Construction of General Land Use Plan: A Case Study of Cha	angzhou National Hi-Tech D	District (CND)		
			171	-		•		
				School of Geographic & Oceanographic Sciences, Nanjing University				
				3D Modeling and Accuracy Assessment- A Case Study of Photosynth				
			186	Jin-Tsong Hwang [*] , Jie-Shi Weng, and Yi-Ting Tsai				
				Dept. of Real Estate and built Environment, National Taipei University				
				Beijing-Tianjin intercity railway with TerraSAR data				
			196					
				Capital Normal University				
			407	Research on Method of Extracting Vegetation Information based on B	and Combination			
			197	Lijuan Zhao				
				Capital Normal University				
			213	Comparison with semi-empirical kernel functions for modeling reflectiving Qu, Qiang Liu, Lizhao Wang, and Suhong Liu	ance anisotropy of snow			
			213	Beijing Normal University				
				A Curvature-Based Statistical Method for Generating DTM From LiDAF	R Point Cloud			
			261	Jianhua Wan, Ronggang Huang, Zhe Zeng, and Shujuan Sun				
				School of Geosciences China University of Petroleum				
				Predicting the Potential Distribution of Bamboo with Species Distribut	tion Models			
			311	Jiaxin Jin, Hong Jiang, Jianhui Xu, Wei Peng, Linjing Zhang, Xiuying Zhan				
				International Institute for Earth System Science, Nanjing University				

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			The hydrological response to human activities in Guishui River Basin,	Beijing, China			
		333	Yuming Liu, Jing Zhang, Pengfei Wu, and Huili Gong				
			Capital Normal University				
			A research on population emergency evacuation based on revised AC	D-CA			
		332					
			University of Electronic Science and Technology of China				
			Estimation of Vegetation Water Content from MODIS: Application In	Forest Fire Danger Assessment			
		343	Minbin Jiang				
			Capital Normal University				
			A Method of Airborne Remote Sensing Image Quality Assessment Bas	ed on Image Matching			
			JinyanTian ¹ , Fuzhou Duan ¹ , XinyuanQu ¹ , Yuan Yuan ² , and Yu Ma ³				
		363	Resource Environment & Tourism College Capital Normal University, B	eijing, China			
			² Beijing Forestry University School Information				
			³ Capital Normal University				
			3D Symbol Design Based on Linguistic Methodology				
		374	1				
			Institute of Surveying and Mapping, Information Engineering University, Zhengzhou, China				
			Study on Holonic Cooperative Distributed Geographic Modeling Envir	onment			
			Hui Yang ¹ , Guonian Lv ² , Yehua Sheng ² , and Cefei Feng ³				
		438					
			² Nanjing Normal University				
			³ Xuzhou Normal University				
			Research on log Management System of Geographical Information Sh	aring Platform Based on Web@	GIS		
		449	Qun Zhang and Feixue Li				
			Department of Geographical Information Science, Nanjing University				
LT1	Session 3.2		WebGIS	Program Committee	Jianya Gong		
	9:00 - 9:15	Real	-time Geospatial Information Service under a Sensor Web Environment				
			gcheng Chen				
			e Key Laboratory of Information Engineering in Surveying, Mapping and R	emote Sensing, Wuhan Univers	ity		
	9:15 - 9:30		GIS Course & Lab Design				
		Pind	e Fu				
		Esri,					
	9:30 – 9:45		ial Statistical Analysis with the Integrated Web Platform				
			ıming Bao ¹ , Chengfeng Zhang ² , Bing She ³ and Xinyan Zhu ⁴				
			na Data Center, University of Michigan, School of Business				
			t China University of Science and Technology				
			SMRS				
		414/	han University				
			han University				
	9:45 – 10:00	Iden	tifying Specific Spatial Tasks through Clustering and Geovisual Analysis ahir ¹ , Gavin McArdle ² , and MichelaBertolotto ³				

		¹ School of Computer Science and Informatics, University College Dublin ² National Centre for Geocomputation National University of Ireland Maynoot ³ School of Computer Science and Informatics, University College Dublin	h			
	10:00 – 10:15	Geospatial Service Web: Towards Integrated Cyberinfrastructure for GIScie Jianya Gong and Huayi Wu State Key Laboratory of Information Engineering in Surveying, Mapping and R		ersity		
LT6	Session 3.3	Remote Sensing and Biogeography	Program Committee	Le Wang		
	9:00 - 9:15	Assessment of harm degree of Crofton weeds invasion in Southwest China of Lizhao Wang ^{1,2} , Jingjing Peng ² , Suhong Liu ^{1*} , Qiang Liu ^{2,3} , and Yimin Li ⁴ ¹ School of Geography, Beijing Normal University ² State Key Laboratory of Remote Sensing Science, Jointly Sponsored by the Instance of Sciences and Beijing Normal University ³ College of Global Change and Earth System Science, Beijing Normal University	titute of Remote Sensing App			
	9:15 - 9:30	Resource, Yunnan University Application of Fractal Theory in Assessing Chlorophyll Content Using Hypers Yanfang Xiao, Demin Zhou*, and Huili Gong Key Laboratory of 3D Information Acquisition and Application, Ministry of Edu	sectral Data	•		
	9:30 – 9:45	Remote Sensing Recognition, Concentration Classification and Dynamic Ana Data Meie Pan and Kun Yang GIS Technology Research Center of Resource and Environment in Western Chi	llysis of Algal Blooms in Dian			
	9:45 – 10:00	Classification of Bird Habitats in Poyang Lake Based on Landsat TM/ETM Im Ping Yang and Xuehua Liu Department of Environmental Science, School of Environment, Tsinghua Unive	ages			
	10:00 – 10:15	Understanding Saltcedar Invasion with Remote Sensing Le Wang, Amy Frazier, and Jose Silvan-Cardenas Department of Geography, the State University of New York at Buffalo	,			
LT5	Session 3.4	Spatial Accessibility of Health Services	Lan Mu and Xun Shi	Lan Mu and Yongmei Lu		
	9:00 - 9:15	Is disproportionality an issue? – Examining the child protective services in Travis County, Texas Sara Stefka Eaves and Yongmei Lu Department of Geography, Texas State University				
	9:15 - 9:30	unity ong Kong				
	9:30 – 9:45	Institute of Space and Earth Information Science, The Chinese University of Hong Kong Determinations of Low Breast Screening Uptake Using Geographically Weighted Regression Model Chen Chen ¹ , Yu Wang ¹ , Huabing Wang ¹ , and Tao Cheng ² ¹ Satellite Surveying and Mapping Application Centre, National Administration of Surveying, Mapping and Geoinformation ² Department of Civil, Environmental and Geomatic Engineering, University College London				

	9:45 – 10:00	Integration of Spatial and Temporal Variations of OHCA Patients and Emerg of Automated External Defibrillators (AED) in High Populated Urban Setting Tzai- Hung Wen, Yu-Shiuan Tsai, and Chung-Yuan Huang Department of Geography, National Taiwan University	s	_			
	10:00 – 10:15	All Roads Lead to Rome? Building a Method Framework of Spatial Clustering Lan Mu, Ping Yin, and Wei Tu Department of Geography, University of Georgia, Department of Geography, Dispute to the interest of Spatial Clustering					
201	Session 3.5	Discussant: Fahui Wang and Xun Shi Climate Change and Sea Level	Program Committee	Jeffress Gary and Xiao Cheng			
	9:00 - 9:15	Long-term coastal changes detection system based on remote sensing and image processing around an island Bouchahma Maged and Wanglin Yan Yan Lab, Graduate School Of Media & Governance, SFC Keio University					
	9:15 - 9:30	Sea level variations in the South China Sea inferred from altimetry and GRACE Wei Feng ^{1,2,3} *, Min Zhong ^{1,4} , Hou-Ze Xu ^{1,4} , and Jean-Michel Lemoine ³ 1State Key Laboratory of Geodesy and Earth's Dynamics, Institute of Geodesy and Geophysics, Chinese Academy of Sciences					
	222 245	² Graduate University of Chinese Academy of Sciences ³ CNES/GRGS,4Institute of Geophysics, Huazhong University of Science and Technology					
	9:30 – 9:45	Recent Antarctic Icecap Changes and Global-Regional Sea Level Rising Rongxing Li Center for Spatial Information Science and Sustainable Development					
	9:45 – 10:00	A Novel Feature-based and Application-oriented Approach to Marine Sub-bottom Acoustic Spatial Data Fusion Xiaojun Jiang, Shaohua Ren, and Yongzhong Shi Zhejiang Surveying Institute of Estuary and Coast					
	10:00 – 10:15	Variability and Local Impact of Sea Level Rise in Economically Sensitive Areas Dominated by Vertical Land Motion Jeffress Gary Geographic Information Science Program					
LT4	Session 3.6	Remote Sensing and GIS Modeling on Environmental Change	Program Committee	Bing Xu and Yong Tian			
	9:00 – 9:15	Remotely sensed groundwater storage variations in Hai River Basin, China Haili Xu ^{1,2,3} , Yun Pan ^{1,2,3,*} , Huili Gong ^{1,2,3} , and Demin Zhou ^{1,2,3} Base of the State Laboratory of Urban Environmental Processes and Digital Modeling, Capital Normal University MOE Key Lab of 3-D Information Acquisition and Application, Capital Normal University Beijing Key Lab of Resources Environment and GIS, Capital Normal University					
	9:15 - 9:30	Monitoring of drought by MERSI data Xiang Li ^{1*} , Yuanyuan Wang ² , Shihao Tang ² , and Shuanghe Shen ¹ ¹ Department of Applied Meteorology, Nanjing University of Information Science & Technology ² National Satellite Meteorological Center, China Meteorological Administration					

		9:30 - 9:45	Using GIS-Based Hydrological Models to Study the Variation of Dissolved O	rganic Carbon in Major U.S. Ri	vers in Response to Clima			
			Change					
			Yong Tian Central Michigan University					
		9:45 - 10:00	High Resolution Estimation of Colored Dissolved Organic Carbon in River Pl	ume Area				
			Qian Yu and Weining Zhu					
			University of Massachusetts-Amherst					
		10:00 - 10:15	The Multi-scale Comprehensive Observation and Study of Spatial-Temporal	Properties of Aerosol in China	a			
			Xingfa Gu, Tianhai Cheng, and Hao Chen					
			Institute of Remote Sensing Applications, Chinese Academy of Sciences					
10:15-10:40	Level 1- 3		Tea Break					
10:40-12:25	LT1	Section 2.7	Claud Commuting	Chaowei Yang	Chaowei Yang			
		Session 3.7	Cloud Computing	and Shaowen Wang	and Shaowen Wang			
		10: 40- 10:55	A Tile-based Scalable Raster Data Management System Based on HDFS					
			Guangqing Zhang, Chuanjie Xie, and Lei Shi					
			State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources					
			Research, Chinese Academy of Sciences					
		10:55 – 11:10	:10 Towards Cost-Effective Remotely Sensed Data Sharing System on Cloud					
		Yunqin Zhong and Jinyun Fang						
			Institute of Computing Technology, Chinese Academy of Sciences, Graduate University of Chinese Academy of Science					
		11:10 - 11:25	Development of the Parallel Library of General Meta-Algorithms of Spatial Statistics to Improvement Computation Efficiency					
			Lianfa Li, Jinfeng Wang, Maogui Hu, Yang Wang, Tiejun Liu, and Xiaozhou Li					
			State Key Laboratory of Resources and Environmental Information Systems, In	nstitute of Geographical Scienc	ces and Natural Resources			
			Research, Chinese Academy of Sciences					
		11:25 – 11:40	Nebula Cloud Computing Enhances NASA Earth Science Data Processing					
			Aijun Chen ¹ , Long Pham ² , and Steven Kempler ²					
			¹ George Mason University					
			² Goddard Earth Science Data and Information Services Center (GES DISC), NAS	SA Goddard Space Flight Center	r, Center for Spatial			
			Information Science and Systems (CSISS)					
		11:40 – 11:55	On the Use of Cloud Computing for Geospatial Workflow Applications					
			Xiaolu Ji, Bin Chen, Zhou Huang, Zhengwei Sui, and Yu Fang					
			Institute of Remote Sensing & GIS, Peking University					
		11:55 – 12:10	Open Architecture for the Sharing of Heterogeneous Geographic Analysis N	lodels				
			Yonning WEN, Guonian Lv, Songshan Yue and Di Hu					
			Key Laboratory of Virtual Geographic Environment (Ministry of Education), No.	<u>, , , , , , , , , , , , , , , , , , , </u>				
		12:10 – 12:25	Efficient Interoperation of User-Generated Geospatial Model Based on Cloud	ıd Computing				
			Lian Duan ^{1,2*} , Baoqing Hu ¹ , and Xinyan Zhu ²					
			¹ Geography Information System Department, Guangxi Teachers Education Ui	niversity ⁻ State Key Laboratory	of Information Engineeri			
			in Surveying, Mapping & Remote Sensing, Wuhan University					

LT6	Session 3.8	Innovative Algorithms for Spatial Analysis	Program Committee	Ningchuan Xiao and Guoan Tang					
	10: 40– 10:55	Accumulated Similarity Surface for Spatial Interpolation							
		Kang Yang, Yan-ming Chen, and Man-chun Li	Kang Yang, Yan-ming Chen, and Man-chun Li						
		Department of Geographic Information Science, School of Geographic & Ocea	Department of Geographic Information Science, School of Geographic & Oceanographic Sciences, Nanjing University						
	10:55 – 11:10	An Automatic Sorting Approach of Surface Bundle Based on the Shared Space Curve Changbin Yu							
		School of Resource and Environment Science, Wuhan University							
	11:10 - 11:25	TOPV2R: A Topology Preserving Vector to Raster Transfer Algorithm							
		Dingmou Li and Ningchuan Xiao							
		Archonix Systems, LLC, Marlton, Department of Geography, The Ohio State U							
	11:25 – 11:40	Research on Parallel Algorithm for Line Rasterization Based on Master-Slav							
		Tao Huang, Man-chun Li, Xiao-hui Jiang, Zhi-bin Jin, Shuai Zhang, and Zhen-jie	e Chen						
		Department of Geographical Information Science, Nanjing University							
	11:40 – 11:55	Automated Plotting Technology Research for the Point Symbols in the Multi-core Environment							
		, , , , , , , , , , , , , , , , , , , ,							
	44.55 42.40								
	11:55 – 12:10								
		Jie Xue and Jiang-Hong Ma							
	12:10 – 12:25	Department of Mathematics and Information Science, Chang'an University A Vector Data Steganography and Reduction Method by Interpolation and	Prodiction						
	12.10 - 12.23	Chi Zhang, Guonian Lv*, Anbo Li, and Jing Dai	Frediction						
		Key Laboratory of Virtual Geography Environment Nanjing Normal University	, College of Geographic Scienc	se Nantona University					
LT5	Session 3.9	Trajectory and Transport	Xiang Li and Yue Liu	Xiang Li and Yue Liu					
	10: 40- 10:55	Impacts of the High-speed Rail Network on Regional Accessibility in China							
		Rongrong Li ¹ , Hui Lin ¹ , Lijie Lin ²							
		¹ Institute of Space and Earth Information Science, The Chinese University of F	long Kong						
		² Department of Geography and Resource Management, The Chinese Univers							
	10:55 – 11:10	Real-time Identifying Traffic Congestion by Using Vehicle Trajectory Data Handong Wang ^{1,2,3} , Yang Yue ^{1,2,3} *, and Qingquan Li ^{1,2,3}							
		¹ Transportation Research Center, Wuhan University							
		² State Key Lab of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University							
		³ Engineering Research Center for Smart Acquisition and Applications of Spati		ducation, Wuhan University					
	11:10 – 11:25	An Efficient Approach to Visual Exploration of Massive Vehicle Trajectory D		· · · · · · · · · · · · · · · · · · ·					
		Jing Sun and Xiang Li							
		Key Laboratory of Geographical Information Science, East China Normal Univ	ersity						
	11:25 – 11:40								
		Minyue Zhao and Xiang Li							
		Key Laboratory of Geographical Information Science, East China Normal Univ	ersity						

	11:40 – 11:55 11:55 – 12:10	Estimating Turn Delays in City Road Network with Real-timely Collected F Hengcai Zhang, Feng Lu, and Xiliang Liu State Key Laboratory of Resources and Environmental Information System, Research, Chinese Academy of Sciences Evaluating Road Selectivity of Urban-Trip based on Dynamic Betweenness Liang Zhou, Feng Lu, and Hengcai Zhang State Key Laboratory of Resources and Environmental Information System, Research, Chinese Academy of Sciences	Institute of Geographical Science.				
	12:10 – 12:25	An Efficient Approach to Building Image-based Road Network Model Xiang Li*, Yujie Hu, Jing Sun, and Jun Xie Key Laboratory of Geographical Information Science, East China Normal Un	iversitv				
201	Session 3.10	Contemporary Urban and Regional Spatial Structures	Program Committee	Jukka Krisp and Xiaobai Yao			
	10: 40– 10:55	Information Modeling and Visualization of Urban Material Flows Chen Zhong and Stefan MüllerArisona Future Cities Laboratory, Singapore-ETH Centre, ETH Zurich					
	10:55 – 11:10	A multi-objective assessment of road ranking in Blue Ridge Parkway regional transportation network Xiaobai Yao Department of Geography, University of Georgia					
	11:10 – 11:25	A Research on the Thermal Environment in the center of Tokyo Metropolitan Area based on the Block Structure from Edo period Chika Takatori and Mikiko Ishikawa Environmental and Design Laboratory of the Urban Planning Department, The University of Tokyo					
	11:25 – 11:40	A First Study on Road Database Update Using OpenStreetMap Data Lian Xiong, Qingwu Hu, and Jie Shan School of Remote Sensing and Information Engineering, Wuhan University					
	11:40 – 11:55	The Comprehensive Evaluation and Spatial Analysis of Jiangsu's Population Mengmeng Yang and Zhibin Jin School of Geographic and Oceanographic Sciences, Nanjing University	n Quality				
	11:55 – 12:10	Location-based Event Detection from Open Street Map Data; A Case Study in Germany and China Khatereh Polous, Jukka Krisp, and Liqiu Meng Department of Cartography, Civil Engineering Faculty, Technische Universität München					
	12:10 – 12:25						

	LT4	Session 3.11	GIS and Environmental Health	Lan Mu and Xun Shi	Lan Mu and Minhe Ji		
		10: 40– 10:55	A Study of Air Quality Impact on Upper Respiratory Tract Diseases using Geographic Information System Hueyhong Hsieh ¹ , Yi-Hsiung Lin ² , and Shin-jen Cheng ³				
			¹ Department of Leisure Management, Taiwan Shoufu University				
			² Department of Health and Beauty Management, Taiwan Shoufu University				
			3Department of Neutri and Bedaty Management, Taiwan Shoufu University Monitoring and Visualizing Radiation Air-dose by Car-born Survey Tomoyuki Furutani ¹ *, Keisuke Uehara ² , and Jun Murai ²				
		10:55 – 11:10					
			¹ Internet and Society Laboratory (Scanning the Earth Project), Faculty of Police	v Management Keio Universit	·v		
			² Internet and Society Laboratory (Scanning the Earth Project), Faculty of Environment and Information Studies, Keio University				
		11:10 – 11:25	New Models and Efficient Algorithms for Hazard Detection	<u>, , , , , , , , , , , , , , , , , , , </u>			
			WenqiJu ¹ , Chenglin Fan ² , Shuguang Liu ² , and Jinfei Liu ² ¹ Institute of Computing Technology, Chinese Academy of Sciences ² Shenzhen Institutes of Advanced Technology Multi-model Ensemble Air Quality Forecast System Based on GIS Rei Liu ^{1,2} , Xiaolong Fan ³ , Aimin Luo ⁴ , Tao Xie ^{1,5} , and Xin Yao ⁵ ¹ Institute of Resources and Environment Science, MAPUNI ² School of Geography, Beijing Normal University ³ Environmental Information Center of Shijiazhuang ⁴ Environmental Information Center of Chengde ⁵ China Sciences MapUniverse Technology Co., Ltd.				
		11:25 – 11:40					
		11:40 – 11:55	3D noise Mapping of Urban Road Traffic Noise in Aoti Area, Nanjing				
		11.40 11.55	Xiaoyan LIU				
	Ministry key laboratory for Virtual Geographic Environments, Nanjing Normal University						
		11:55 – 12:10	Spatial Association between Low Birth Weight and Arsenic Exposure from G		re, US		
			Xun Shi	•	,		
			Dartmouth College				
12:25-2:00	Level 1- 3		Lunch Break				
2:00-3:45	LT6	Session 3.12	Progress in Environmental Remote Sensing	Program Committee	Jianhua Gong and Yuanzhi Zhang		
		2:00 - 2:15	An analysis to global albedo time series derived from AVHRR data and MOD	IS data			
			Qiang Liu ^{1,2*} , Lizhao Wang ^{1,2} , Nanfeng Liu ² , Ying Qu ^{1,2} , and Shunlin Liang ^{1,3}				
	¹ College of Global Change and Earth System Science, Beijing Nomal University						
			² State Key Laboratory of Remote Sensing Science, Jointly Sponsored by the Institute of Remote Sensing Applications of Chinese Academy				
			of Sciences and Beijing Normal University				
			³ Department of Geography, University of Maryland, College Park				

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		2:15 – 2:30	Refinement of GSMaP Precipitation Product by the Bayesian Maximum Entropy Method				
Gongqi Zhou ¹ and Xiaotong Zhang ²							
	¹ School of Geography and Remote Sensing, Beijing Normal University, State Key Laboratory of Remote Sensing				ing Science, Beijing Normal		
			University				
			² College of Global Change and Earth System Science, Beijing Normal Universit				
		2:30 – 2:45	Object-Oriented Segmentation and Classification of wetlands within the Kha	along-la-Lithunya catchment,	Lesotho, Africa		
			Peng Gao ¹ , Carl C. Trettin ² , and Subhajit Ghoshal ¹				
			¹ Department of Geography, University of South Carolina, Columbia				
		2:45 – 3:00	² Center for Forested Wetlands Research, US Forest Service, Cordesville				
		2:45 – 3:00					
			Wen Zhang, Qun Zhang, Manchun Li, Lihua Tong, Yanming Chen, and Liang Ch	ieng			
		3:00 – 3:15	Department of Geographical Information Science, Nanjing University				
		3:00 - 3:15	Visual Data Exploration of Space-Time Characteristics of Mesoscale Eddies in the South China Sea: A Cube-Based Approach				
			Jiawei Yi, Yunyan Du and Chenghu Zhou State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources				
Research, Chinese Academy of Sciences				stitute of Geographic Sciences	una Naturai Resources		
		3:15 – 3:30	Swarm Intelligence Based Multi-sensor Image Registration Integrating Spatial and Mutual Information				
		3.13 3.30	Jiayong Liang, Xiaoping Liu, Kangning Huang, Xia Li				
			School of Geography and Planning, Sun Yat-sen University				
	LT5		Understanding Human Mobility Patterns through		Yu Liu		
		Session 3.13	Mining Trajectories Data	Yu Liu and Bin Jiang	and John Radke		
		2:00 - 2:15	Exploring spatiotemporal characteristics of intra-urban trips using metro sm				
			Yongxi Gong ^{1,2} , Yu Liu ³ , Yaoyu Lin ^{1,4} , Jian Yang ² , Zhongyuan Duan ⁵ , and Guicai Li ^{2*}				
			chool of Urban Planning and Management, Harbin Institute of Technology Shenzhen Graduate School				
			² Shenzhen Key Lab of Recycling Economy, Peking University Shenzhen Graduate School				
			³ Institute of Remote Sensing & Geographical Information Systems, Peking University				
			⁴ State Key Laboratory of Subtropical Building Science, South China University of Technology				
			⁵ Shenzhen Urban Transport Planning Center CO. LTD				
		2:15 – 2:30	Bus Landscapes				
			Ying Long				
		2 20 2 45	Beijing Institute of City Planning				
		2:30 – 2:45	Improving Monte Carlo Localization Algorithm Using Genetic Algorithm in Mobile WSNs Yuehu Liu, Bin Chen, YuBin Xu, ZhiHui Li, and Yu Fang				
		2:45 – 3:00	Institute of Remote Sensing and Geographic Information System, Peking University				
		2.45 – 3.00	Labeling User Characteristics from Mobile Phone Data Bo Hu ¹ , Jia Chen ¹ , Yang Yue ^{1*} , Qingquan Li ¹ , and Xiaoqing Zuo ²				
			¹ Engineering Research Center for Smart Acquisition and Applications of Spatiotemporal Data, Ministry of Education; State Key Lab of				
			Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University				
			² Faculty of Land Resource Engineering, Kunming University of Science and Technology				
		3:00 – 3:15	The Development of Jinan Emergency System Based on "3G" Technology	- 37			

		Shang Dong, Yingxia Pu, Wenli Yu, and Zhibin Jin					
		School of Geographic and Oceanographic Sciences, Nanjing University					
	3:15 – 3:30	Assessing Transportation Networks in the Sacramento-San Joaquin Delta: F	_	ncy Responder Accessibilit			
		John Radke, Howard Foster, Conor Henley, Tessa Bernhardt, Kristen Carnariu					
		Department of Landscape Architecture and Environmental Planning, Universi	ty of California				
	3:30 - 3:45	Size and Geographic Constraints on Inter-city Mobile Communication					
		Chaogui Kang, Yu Liu, and Yi Zhang					
		Institute of Remote Sensing and Geographical Information Systems, Peking U	niversity				
201	Session 3.14	Monitoring and Modeling Land Use II	Program Committee	Xia Li and Xiaoping Liu			
	2:00 - 2:15	Data assimilating by using remote sensing data and cellular automata for cl	hange detection in the Pearl R	iver Delta			
		Xia Li, Yihan Zhang, Xiaoping Liu, and Yimin Chen					
		School of Geography and Planning, and Guangdong Key Laboratory for Urbanization and Geo-simulation, Sun Yat-sen University					
	2:15 - 2:30	Building-based urban land use classification from vector databases in Manchester, UK					
		Masroor Hussain ¹ *, Robet Barr ² , and Dongmei Chen ¹					
		¹ Laboratory of Geographic Information and Spatial Analysis (LaGISA), Department of Geography, Queen's University					
		² Department of Geography, The University of Manchester					
	2:30 – 2:45	Identification of Key Changed Land Use Type in LUCC: A Case Study of Guishui River Basin					
		Pengfei Wu ¹²³ , Huili Gong ¹²³ *, and Demin Zhou ¹²³					
		¹ Base of the State Laboratory of Urban Environmental Processes and Digital I	Modelina				
		² Key Laboratory of 3D Information Acquisition and Application, Ministry of Ed					
		³ College of Resource Environment and Tourism, Capital Normal University					
	2:45 – 3:00	Monitoring land use/land cover changes of Kunming city based on remote sensing technology and spatial metrics Ke Zhang ¹ , Yaolong Zhao ^{1*} , and Hong Zhang ²					
		¹ School of Geography, South China Normal University					
		² School of Urban Management and Resources Environment, Yunnan University of Finance and Economics					
	3:00 – 3:15	Urban Land Use / Land Cover Classification by Fusing Optical and SAR Remote Sensing Images					
	0.00 0.20	Hongsheng Zhang, Yuanzhi Zhang, and Hui Lin					
		Institute of Space and Earth Information Science, The Chinese University of Hong Kong					
	3:15 – 3:30	GIS-based Cluster Analysis on Urban Growth Patterns of Guangzhou Megacity					
	3.13 3.30	Huang Zhen ^{1*} , Lin Jian ² , and Huang Bo ²					
		¹ Institute of Space and Earth Information Science The Chinese University of Hong Kong					
		² Department of Geography and Resource Management The Chinese University of Hong Kong					
	3:30 – 3:45						
	3.30 - 3.43	An Artificial Immune System for multi-objective land use allocation (AIS-MG Kangning Huang, Xiaoping Liu, Xia Li, and Jiayong Liang	JLAJ				
		School of Geography and Planning, Sun Yat-sen University					
LT1	Seesien 3.15		Duogram Committee	Vuonahi Voo			
	Session 3.15	Terrain Analysis	Program Committee	Yuanzhi Yao			
	2:00 – 2:15	Towards a Seamless Integration for Spatial Objects and Topography Jiateng Guo ¹ *, Lixin Wu ^{1, 2} , Yizhou Yang ¹ , Rongbin Zhang ¹					
		Institute for Geo-informatics & Digital Mine Research, Northeastern University					
		² Academy of Disaster Reduction and Emergency Management, Beijing Norma	al University				

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	2:15 – 2:30	2:30 A GPU- Accelerated Method for High Accuracy Surface Modeling ChangQing Yan ¹ and TianXiang Yue ² *					
		Institute of Geographic Science and Natural Resources Research, State Key Laboratory of Resources and Environment Information					
		System, Department of Information Engineering, Shandong University of Scien		,			
	2:30 – 2:45	Digital terrain analysis for detecting impact craters on the lunar surface					
		Yiqun Xie ¹ , Guoan Tang ^{1,2} *, Shijiang Yan ^{1,2} , and Hui Lin ³					
		¹ School of Geographic Science, Nanjing Normal University					
		² Key Laboratory of Virtual Geographical Environment of Ministry of Education, Nanjing Normal University ³ Institute of Space and Earth Information Science, Chinese University of Hong Kong					
	2:45 – 3:00	High-precision DEM production in complex urban area using LiDAR data					
	2.45 – 3.00	Wenquan Han ¹ , Yongquan Li ² , and Lei Chen ³					
		¹ School of Geographic & Oceanographic Sciences Nanjing University, Nanjing Institute of Surveying ² Mapping & Geotechnical Investigation, Co. Ltd.					
		³ General Engineer's Office Nanjing Institute of Surveying, Mapping & Geo	technical Investigation, Co. I	Ltd. Technique Management			
		Department					
		Nanjing Institute of Surveying, Mapping & Geotechnical Investigation, Co. Ltd.					
	3:00 – 3:15	A conceptual model for submarine feature description and generalisation in nautical chart production Jingya Yan ^{1,2} *, Eric Guilbert ² , and Eric Saux ¹					
		¹ Naval Academy Research Institute, Lanvéoc-Poulmic					
	² Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University						
	3:15 – 3:30	Multi-type Sweeping for Improving the Efficiency of Flow Accumulation Calculation Yuanzhi Yao ¹ , Heping Tao ¹ , and Xun Shi ² **Contact for Digital Mountain and Remote Specing Application, Institute of Mountain Hazards and Environment, CAS					
		¹ Center for Digital Mountain and Remote Sensing Application, Institute of Mountain Hazards and Environment, CAS ² Department of Geography, DartmouthCollege, Hanover					
LT4		ChinaCover: Land Cover Mapping with	Bingfang Wu	Bingfang Wu			
	Session 3.16	Remote Sensing and Fieldworks	and Jinsong Chen	and Jinsong Chen			
	2:00 - 2:15	ChinaCover: Methodology and features					
		Bingfang Wu, Lei Zhang, Quanzhi Yuan, Kai Yin, Qiang Xin, and Xingfeng Zhao					
		Laboratory for Agriculture and Ecology, Institute of Remote Sensing Application	ns, Chinese Academy of Scien	ices			
	2:15 – 2:30	ChinaCover: Auto-geocorrection of HJ time series data Ainong Li ^{1*} , Jinhu Bian ¹ , Huaan Jin ¹ , Guangbin Lei ¹ , Jiyan Wang ¹ , Bingfang Wu ²					
		¹ Institute of Mountain Hazards and Environment, Chinese Academy of Science					
		² Institute of Remote Sensing Applications, Chinese Academy of Sciences					
	2:30 - 2:45	ChinaCover: Classification and validation Methodology Lei Zhang, Bingfang Wu, Quanzhi Yuan, Kai Yin, Qiang Xin, and Xingfeng Zhao					
		Laboratory for Agriculture and Ecology, Institute of Remote Sensing Applications, Chinese Academy of Sciences					
	2:45 – 3:00	ChinaCover: Study on synergistic use of optical and microwave remote sensing data for land cover mapping					
		Jinsong Chen and Hongzhong Li					
	3:00 – 3:15	Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences ChinaCover: Linear Forest Detection Methodology					
	3.00 - 3:15	Xinfang Yu ^{1,2} *, Zhengxing Wang ^{1,2} , Yaqin Wang ^{1,2} , Shikuan Wang ^{1,2} , and Zheng	· Li ^{1,2}				
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			¹ Data Center for Resources and Environmental Sciences, Institute of Geograph Academy of Sciences State Key Laboratory of Resources and Environmental Information System	hical Sciences and Natural Reso	ources Research, Chinese
	3:15 – 3:30 ChinaCover: A case study in Miyun reservoir area Quanzhi Yuan, Bingfang Wu, Lei Zhang, and Xiaosong Li Institute of Remote Sensing Applications, Chinese Academy of Sciences				
		3:30 - 3:45	Data pre-process and fusing system based on supercomputer technology for China Cover Bo Chen, Bingfang Wu, Xiaosong Li, and Leidong Yang Institute of Remote Sensing Applications, Chinese Academy of Sciences		
3:45-4:10	Level 1 & 3		Tea Break		
4:10-5:15	LT1	Session 3.17	Panel Discussion- Industry Innovations and Technology Transfer	Vincent Tao, Yongmin Yan and Lin Liu	Lin Liu
		 Leading Talk: "Future Perspectives in Innovative Applications of SoLoMo (Social + Location+ Mobile)" by Vincent Tao Announcement of the establishment of "Industrial Foundation of Geographic Information" 			
5:15-5:30	LT1	Closing Session		Xun Shi and Hui Lin	