

2010 Digital Earth Workshop

May 17-19, 2010

中國文化大學大孝館8樓 802室 Room 802, 8F, Ta-Hsiao Building, Chinese Culture University			
Date Time	May 17, 2010 WS-1	May 18, 2010 WS-2	May 19, 2010 WS-3
	Maps and Visualization of Temporal Geo-Data	Neogeography : Where GIScience Meet Web 2.0	Prospects on Digital Earth Education for the New Generation
09:30~10:00	Registration		
10:00~10:50	Topic : Time and Maps	Topic: The Changing Nature of GIScience: From Authorized to Grass-rooted	Topic :Financial Transparency and Revitalization with Digital Earth Technology
	Speaker: Prof. Menno-Jan Kraak Dept. of Geoinformation Processing, Faculty of Geoinformation Science and Earth Observation, University of Twente	Speaker: Mr. Dongpo Deng 鄧東坡先生 Dept. of Geoinformation Processing, Faculty of Geoinformation Science and Earth Observation, University of Twente	Speaker: Prof. Tim W. Foresman Bioneers/International Center for Remote Sensing Education, USA
10:50~11:10	Coffee Break		
11:10~12:00	Topic : Application of Cognition on Geovisualization Technology	Topic : The Value of Volunteered Geospatial Information: From Haiti to Taiwan	Topic :The Future of Digital Earth Development in Taiwan
	Speaker: Prof. Ching-Jen Kao 高慶珍教授 Dept. of Geography, Chinese Culture University, Taiwan	Speaker: Mr. Tzuhan Schee 徐子涵先生 Hopendata Project	Speaker: Prof. Yea-Chung Ding 丁亞中主任 Digital Earth Research Center, Chinese Culture University, Taiwan
12:00~13:30	Lunch Time		
13:30~14:30	Practice (1): Space-time Cube	Practice (1) The Technical Overview of Open Street Map	Topic : Research and Educational Challenges for Digital Earth
	Hosted by Prof. Menno-Jan Kraak Dept. of Geoinformation Processing, Faculty of Geoinformation Science and Earth Observation, University of Twente	Hosted by Mr. Louis Liu 劉俊宏先生 OpenSTreetMap Taiwan	Speaker: Prof. Tim W. Foresman Bioneers/International Center for Remote Sensing Education, USA
14:30~15:00	Coffee Break		
15:00~16:00	Practice (2): Time-wave	Practice (2): Contributing and Editing Maps on Open Street Map	Topic : Educational and Training Paradigms for Digital Earth
	Hosted by: Ms. Xia Li Dept. of Geoinformation Processing Faculty of Geoinformation Science and Earth Observation, University of Twente	Hosted by Mr. Louis Liu, Mr. Tzuhan Schee, Mr. Dongpo Deng	Speaker: Prof. Tim W. Foresman Bioneers/International Center for Remote Sensing Education, USA



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09:00 ~09:30	Registration				
09:30 ~10:00	Opening Ceremony / BoYing Conference Hall				
10:00 ~10:30	Coffee Break				
10:30 ~11:20	Keynote (1) : Qualitative GIS for a Digital Earth Speaker: Prof. Trevor M. Harris Chair, Dept. of Geology and Geography, West Virginia University, USA Chairperson: Dr. I-Chun Fan 范毅軍博士 Executive Director, Research Center for Humanities and Social Sciences, Academia Sinica				
11:20 ~12:10	Keynote (2): Digital Earth Framework for Green Society Revolution Speaker: Prof. Tim W. Foresman Bioneers /International Centre for Remote Sensing Education , USA Chairperson: Dr. Guey-Shin Chang 張桂祥主任 Director General, National Space Organization, NARL				
12:10 ~13:30	Lunch Break				
13:30~15:00	Room 802	Room 803	Room 804	Room 805	Room 901
	Oral Presentation Session 1 Social Science & Education (in English) Chairperson: Prof. Tzu-How Chu 朱子豪教授 Dept. of Geography, National Taiwan University	Oral Presentation Session 2 Earth Observation & Technology Chairperson: Prof. Liang-Chien Chen 陳良健教授 Center for Space and Remote Sensing Research, National Central University	Oral Presentation Session 3 Social Science & Education Chairperson: Prof. Victor Y. H. Tao 陶翼煌教授 Dept. of Environmental Management, Tungnan University	Oral Presentation Session 4 Environmental Change & Strategy Chairperson: Prof. Ming Yang 楊名主任 Chair, Dept. of Geomatics, National Cheng Kung University	Oral Presentation Session 5 Environmental Change & Strategy Chairperson: Prof. Pai-Hui Hsu 徐百輝教授 Dept. of Civil Engineering, National Taiwan University
15:00~15:30	Coffee Break				
15:30~17:00	Room 802	Room 803	Room 804	Room 805	
	Oral Presentation Session 6 Earth Observation & Technology (in English) Chairperson: Prof. Bing-Leung Sun 孫秉良教授 Dept. of Information Technology, Ching Kuo Institute of Management and Health	Oral Presentation Session 7 Earth Observation & Technology Chairperson: Prof. Yuh-Lung Chung 鍾玉龍教授 National Pingtung University of Science and Technology Forestry	Oral Presentation Session 8 Social Science & Education Chairperson: Prof. Kang-Tsung Chang 張康聰教授 Dept. of Tourism & Hospitality, Kainan University	Oral Presentation Session 9 Environmental Change & Strategy Chairperson: Dr. Kuo-Hsin Hsaio 蕭國鑫博士 Energy and Environment Research Laboratories, Industrial Technology Research Institute	



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	Room 802	Chi-Pu Conference Hall (2F)	Room 804	Room 805
	Track 1 Earth Observation & Technology	Track 2 Digital Earth Education	Track 3* Social Science	Track 4 Environmental Change & Strategy
09:00~			Invited Speech (3-1)	
09:30~10:20	Invited Speech (1-1) Topic: Ontology-driven Problem Solving Framework for Spatial Decision Support Systems	Keynote(3) Topic: The Need for Dedicated Maps for Each Generation: Cartographic Research Requirements	Topic: Representation, Bridging and Interpretation: On the Realization of the Social-Geographic Information System	Invited Speech (4-1) Topic: The Impact of Asian Dust on Taiwan Air Quality
	Speaker: Prof. Chih-Hong Sun 孫志鴻董事長 President, Taiwan Geographic Information System Center Chairperson: Prof. Koung-Ying Liu 劉廣英院長 Dean, College of Science, Chinese Culture University	Speaker: Prof. Menno-Jan Kraak Chair, Dept. of Geoinformation Processing, International Institute for Geoinformation Science and Earth Observation, University of Twente Chairperson: Prof. Yih-Young Chen 陳義揚院長 Dean, College of Engineering, Chinese Culture University	Speaker: Prof. C.S. Stone Shih 石計生教授 Associate Professor, Dept. of Sociology, Soochow University Chairperson: Prof. Chung-Hsin Yang 楊重信教授 Dept. of Landscape Architecture, Chinese Culture University	Speaker: Mr. Shuenn-Chin Chang 張順欽簡任技正 Senior Specialist, Dept. of Environmental Monitoring and Information Management, Environmental Protection Administration, Executive Yuan Chairperson: Prof. Kung-Hsien Wu 吳功顯院長 Dean, College of Agriculture, Chinese Culture University
10:20~10:40	Coffee Break			
10:40~11:30	Invited Speech (1-2) Topic: The Development of Ocean Observation Technologies in TORI	Invited Speech (2-1) Topic: EPSCoR Hawaii – Geo-technology Supporting Ecosystem Research	Invited Speech (3-3) Topic: The Application of Geo-spatial Technology to Manage Slope Land Hazard Incidents	Invited Speech (4-2) Topic: Climate Change Driving the Development of Integrated Water Resources Management
	Speaker: Dr. Jui-kun Chiu 邱瑞焜博士 Assistant Research Fellow, Taiwan Ocean Research Institute, NARL Chairperson: Prof. Shiahn-Wen Shyue 薛憲文教授 National Sun Yat-sen University Dept. of Marine Environment and Engineering	Speaker: Dr. Donna Delparte Assistant Professor, Dept of Geography, University of Hawaii at Hilo Chairperson: Prof. Tuen-Chih Chen 陳端堉教授 Dept. of Civil Engineering, Tamkang University	Speaker: Prof. Tien-Yin Chou 周天穎主任 Director of GIS Research Center, Feng Chia University Chairperson: Prof. Chi-Chuan Cheng 鄭祈全教授 Dept. and Graduate Institute of Landscape Architecture, Chinese Culture University	Speaker: Dr. Chin-San Huang 黃金山博士 Adviser, Council for Economic Planning and Development Chairperson: Prof. Andrew Kwong-Fai Lo 盧光輝主任 Chair, Dept. of Geography, Chinese Culture University

11:30~12:20	Invited Speech (1-3) Topic: Strategic Thinking on Climate Change for Typhoon and Flood Disasters	Invited Speech (2-2) Topic: Emerging Issues in SDI – Sharing Software, Sharing Knowledge	Invited Speech (3-4) Topic: How to Adapt a College Elementary Surveying Course to the Developments of Geomatics Technologies in the Last Two Decades	Invited Speech(4-3) Topic: The Development of Geospatial Information Framework for Meteorological and Oceanographic Service	
	Speaker: Dr. Feng Lei 鳳 雷博士 Assistant Research Fellow, Taiwan Typhoon and Flood Research Institute, NARL Chairperson: Dr. Ming-Chin Chen 陳明智主任 Director, Business Development Office, National Applied Research Laboratories	Speaker: Dr. Ir. Rob Lemmens Assistant Professor, Faculty of Geo-Information Science and Earth Observation, University of Twente Chairperson: Dr. Tyng-Ruey Chuang 莊庭瑞博士 Associate Research Fellow, Institute of Information Science, Academia Sinica	Speaker: Prof. Yi-Hsing Tseng 曾義星教授 Dept. of Geomatics, National Cheng Kung University Chairperson: Prof. Joz Wu 吳 究教授 Center for Space and Remote Sensing Research National Central University	Speaker: Dr. Ming-Jer Huang 黃明哲局長 Commanding Officer, Naval Meteorological and Oceanographic Office Chairperson: Prof. Ming-Ann Lee 李明安院長 Dean, College of Maritime Science and Management, National Taiwan Ocean University	
12:20~13:30	Lunch Break**				
13:30-14:20	Room 901	Room 802	Room 803	Room 804	Room 805
	Invited Speech (1-4): Topic: Progress in TIEOS Implementation & International Cooperation Speaker: Dr. Guey-Shin Chang 張桂祥主任 Director General, NSPO, NARL Chairperson: Prof. Yea-Chung Ding 丁亞中主任 Director, Digital Earth Research Center, Chinese Culture University	Oral Presentation Session 10 Environmental Change & Strategy (in English) Chairperson: Prof. Chia-Chyang Chang 張嘉強教授 Dept. of Applied Geomatics, Ching-Yun University	Oral Presentation Session 11 Earth Observation & Technology Chairperson: Prof. Hun-Chin Chiang 江渾欽主任 Chair, Dept. of Real Estate & Built Environment, College of Public Affairs, National Taipei University	Oral Presentation Session 12 Social Science & Education Chairperson: Prof. Yuh-Chang Wei 魏裕昌主任 Chair, Dept. of Information Communications, Chinese Culture University	Oral Presentation Session 13 Environmental Change & Strategy Chairperson: Prof. Cheng-Liang Chang 張政亮教授 Dept. of History & Geography, Taipei Municipal University of Education
14:30-15:00	Panel Discussion II : Implementation and International Cooperation of Taiwan Integrated Earth Observation System on the Earth Observations Chairperson: Dr. Guey-Shin Chang 張桂祥主任 Director General, National Space Organization, NARL				
15:00~15:30	Coffee Break				
15:30~16:30	Room 802/Room 803				
	Digital Earth Forum Chairperson: Prof. Yea-Chung Ding 丁亞中教授 Director, Digital Earth Research Center, Chinese Culture University				
17:00~18:00	Common Room				
	Green Earth Party				

***Track 3 invited speech start from 9:00 am ~ 12:40 pm with 4 sessions which are 9:00am ~ 9:50am, 9:50 am ~ 10:40 am, 20 mins break , 11:00 am ~ 11:50 am, 11:50 am~ 12:40pm**

**** Panel Discussion I: Program in Digital Earth 12:20 ~ 13:30 Room 802**