

◆論文發表注意事項

1. 請於論文發表場次前15分鐘攜帶簡報檔案至會議室報到。
2. 發表流程：
主持人點名 → 開場 → 論文發表 → Q&A → 主持人結語
3. 每場次總發表時間為90分鐘。
4. 每篇論文口頭發表時間為15分鐘，問答3分鐘。
5. 第一次提醒時間為第12分鐘，第二次提醒為第15分鐘。

◆Presentation Notice

1. Please arrive at your session room 15 minutes early to prepare and set up any necessary configurations needed for your presentation.
2. Procedure :
Chairs call names → Opening → Oral presentation → Q&A → Chairs concludes.
3. Each oral session is scheduled 90 minutes.
4. Each oral presentation will be allotted 15 minutes for your talk, and 3 minutes for questions & answers.
5. There will be two reminders in 12 minutes and 15 minutes after your presentation start.

Number/場次編號: S01502

Date/日期: 30-Nov

Theme/領域: Smart Disaster Prevention/智慧防災

Chairs/主持人: 劉說安 教授 / Professor Shuo-An Liu

Room/會議室: 502

Time/時間: 11:00-12:30

Topic/主題: Disaster Management, Reduction and Mitigation/災害管理、防治及減緩

Number	Author	Title
S01502-1	Ming-Kai Hsu, Yu-Ju Wang, Chin-Tung Cheng, Kuo-Fong Ma, Ke Siao-Syun	Using Probabilistic Seismic Hazard Analysis in Assessing Seismic Risk for Taipei City and New Taipei City
S01502-2	Tien-Yin Chou, Lan-Kun Chung, Pi-Hui Huang, Wen-Yuan Ku, Hsing-Yen Ma	The Initiative of SWCB Data Governance policy
S01502-3	Hsiang-Kuan Chang, Rong-Kang Shang, Hsi-Ching Lin, Jen-Gaw Lee, Yong-Jun Lin, Jih-Sung Lai	Development of the Operational Platform for Flood Inundation Forecasting in Lowland Areas
S01502-4	Teun Hendriks, Matthias Unbehaun	TPEG for Timely Distribution of Emergency Alert Warnings
S01502-5	Jieh-Jiuh Wang	Comprehensive Analysis of Flood Disaster Risk Identification to Cultural Heritage in Taiwan

Number/場次編號: S01503

Date/日期: 30-Nov

Theme/領域: Smart City/智慧城市

Chairs/主持人: 馮正民 教授 / Professor Cheng-Min Feng

Room/會議室: 503

Time/時間: 11:00-12:30

Topic/主題: SDI for the Smart Homeland/智慧國土與空間資訊基礎建設

Number	Author	Title
S01503-1	Yuei-An Liou, Nguyen Kim Anh, Ming-su Li	Land Surface Temperature Variation and Land Cover Changes Based on Satellite Imagery Data
S01503-2	Nguyen Kim Anh	Classification of Eco-environmental Vulnerability for Environmental Protection in the Thua Thien – Hue Province, Vietnam
S01503-3	Abbas Rajabifard, Serene Ho, Soheil Sabri	Urban Analytics Data Infrastructure: Critical SDI for Urban Management in Australia
S01503-4	Min-Chuan Tsai, Guang-Je Tsai, You-Liang Chen, Kai-Wei Chiang	The Generation of Well Geo-referenced Floor Plans and Application in Indoor Navigation System
S01503-5	Bor-Wen Tsai, Shengming Pong, Hsunwen Wu	Promotion and Applications of Census Geography in Taiwan: Integration of Social Economic Data into SDI

Number/場次編號: S01504a

Date/日期: 30-Nov

Theme/領域: Smart City/智慧城市

Chairs/主持人: 詹士樑 教授 / Professor Shih-Liang Chan

Room/會議室: 504a

Time/時間: 11:00-12:30

Topic/主題: SDI for the Smart Homeland/智慧國土與空間資訊基礎建設

Number	Author	Title
S01504a-1	Serena Coetzee, Antony Cooper, Samy Katumba	Towards Establishing a Spatial Data Infrastructure (SDI) to Make the Gauteng City-Region Data Smart
S01504a-2	Kuo-Chih Hung, Mohsen Kalantari, Abbas Rajabifard	Assessing the quality of building footprints on OpenStreetMap: a case study in Taiwan
S01504a-3	Chih Hong Sun, Joe-Air Jiang, Jehn-Yih Juang, Tzai-Hung Wen, Hsiang-Hsu Lin	An Urban Environmental Sensing Infrastructure with Crowdsourcing and Spatial Big Data for Early Warning of Critical Conditions
S01504a-4	Jehn-Yih Juang, Hsin-Hong Lin, Chih-Hong Sun, Joe-Air Jiang, Tzai-Hung Wen	Investigating Spatial and Temporal Patterns of Thermal Environment in Street-Level Scale in the Metropolitan Area in Taiwan
S01504a-5	Siau Yong Ng, Gavin Chunqing Chen	Towards a Spatially Enabled Open Platform for Singapore

Number/場次編號: S01505

Date/日期: 30-Nov

Theme/領域: Smart City/智慧城市

Chairs/主持人: 蔡榮得 教授 / Professor Jung-Te Tsai

Room/會議室: 505

Time/時間: 11:00-12:30

Topic/主題: Land Information and Management Systems/國土資訊與管理系統

Number	Author	Title
S01505-1	Kwan Tun Lee	A web-based platform for detention facility design on developing sites
S01505-2	Jade Georis-Creuseveau, Joep Crompvoets, Roger Longhorn	Coastal and Marine SDIs: towards an assessment of the worldwide developments and the related needs for harmonization and coordination
S01505-3	Nicolas Ray, Pierre Lacroix, Gregory Giuliani, Pauliina Upla, Abbas Rajabifard, David Jensen	Open Spatial Data Infrastructures for the Extractives Sector in Countries Affected by Fragility, Conflict and Violence : Promises and Challenges
S01505-4	Asmat Ali, Munir Ahmad	Analysis of the Barriers to Land Administration in Pakistan
S01505-5	Tian-Ying Chou, Shun-Ren Lai, Mei-Ling Yeh, Cheng-Ting Wu	Analysis of the Correlation of Tourism on Internet Community — Using the Travel Reviews in Taichung City as an Example

Number/場次編號: S02501

Date/日期: 30-Nov

Theme/領域: Smart Disaster Prevention/智慧防災

Chairs/主持人: 史天元 教授 / Professor Tien-Yuan Shih

Room/會議室: 501

Time/時間: 13:30-15:00

Topic/主題: Disaster Management, Reduction and Mitigation/災害管理、防治及減緩

Number	Author	Title
S02501-1	Yung-Ching Lee, Tien-Yin Chou, Ching-Yun Mu	Integrating Web GIS and Augmented Reality techniques in nuclear accident response
S02501-2	Naressa Belle Ambos Saripada, Chito Lim Patiño, Jonnifer Rafal Sinogaya	Flood-risk Assessment due to Sea Level Rise of nearby Communities of Imbang River in Western Visayas, Philippines
S02501-3	Carol C. Wu, Chung-Sheng Lee, Siao-Syun Ke, Sheu-Yien Liu	Development and Application of Grid-Based Seismic Impact Assessment Techniques for Power System
S02501-4	Bor-Wen Tsai, Yu-Feng Chien	Development of A Location-Based Real Time Air Quality Alert System

Number/場次編號: S02504c

Date/日期: 30-Nov

Theme/領域: Smart City/智慧城市

Chairs/主持人: Dr. David Coleman and Roger Longhorn

Room/會議室: 504c

Time/時間: 13:30-15:00

Topic/主題: GEO Travel Grant Award Winners

Number	Author	Title
S02504c-1	Collins Mwange Mwungu	Technology Trends for Spatial Data Infrastructure in Africa
S02504c-2	Dinebari Akpee, Friday Aabe Gaage, Tosin Aogo, Florence W Fred-Nwagwu, Needam Yiinuu	Spatial Data Infrastructure for Sustainable Development in Nigeria
S02504c-3	Heri Sutanta, Trias Aditya	State of SDI Readiness in Indonesian Local Government
S02504c-4	Jarlou Terana Valenzuela, Rey Sidney Carredo, Christine Zoilo Coca, Chito Lim Patiño, Jonnifier Rafal Sinogaya	Web- and Mobile-based Data Collection Using VGI for Building Feature Mapping/Attribution in the Flood-Prone Zones of Western Visayas, Philippines
S02504c-5	Viktor Putrenko	Risk Modeling of Accidents in the Power System of Ukraine Based on SDI Data

Number/場次編號: S03501

Date/日期: 30-Nov

Theme/領域: Smart Disaster Prevention/智慧防災

Chairs/主持人: 劉進金 執行長 / Executive Jin-King Liu
費立沅 組長 / Chief Li-Yuan Fei

Room/會議室: 501

Time/時間: 15:30-17:00

Topic/主題: Disaster Management, Reduction and Mitigation/災害管理、防治及減緩

Number	Author	Title
S03501-1	Yu-Chung Hsieh, Mien-Min Chen, Cheng-Lung Chiu, Hung-Jen Chen, Li-Yuan Fei, Chin-Shyong Hou	The High Resolution Airborne Lidar-Dem Surveying Program In Taiwan
S03501-2	Chi-Kuei Wang, Yi-Hsing Tseng, Yi-Hua Wang, and Lin-Mu Kuo	Generation of Nationwide Color Multi-directional Hillshade Map from 1 m LiDAR DEM
S03501-3	Jin-King Liu, Li-Yuan Fei, Wei-Chen Hsu, Hao-Chih Chen	Challenges of Taiwanese National Airborne LiDAR Mapping for Geohazard Assessment
S03501-4	Chen, R.F., Lin, C.W., Fei, L.Y. and Hsieh, Y.C., Mien-Min Chen	Detecting and Characterizing of deep-seated landslide by using airborne derived LiDAR and TCP InSAR time-series analysis in Centre Taiwan

Number/場次編號: S03504c

Date/日期: 30-Nov

Theme/領域: Smart City/智慧城市

Chairs/主持人: Dr. Ed Parsons

Room/會議室: 504c

Time/時間: 15:30-17:00

Topic/主題: SDI Governance and Policy Development/國家空間資料基礎建設及政策發展

Number	Author	Title
S03504c-1	Chengfeng Luo, Minghui Hao, Joep Crompvoets, Bastiaan Van Loenen	Integrated Real Estate Registration and Chinese NSDI to Strengthen the Government Spatial Data Management
S03504c-2	Heli Ursin, Arvo Kokkonen	Arctic Spatial Data Infrastructure (Arctic SDI)
S03504c-3	Bolorchuluun Chogsom, Tsogtdulam Munaa, Narantuya Davaa	GIS Enabled E-Governance
S03504c-4	Martin Salzmann	The information society is here: where is the SDI?
S03504c-5	Andrew Maurice Coote	Exploiting Synergies Between Land and Marine SDI

Number/場次編號: S04501

Date/日期: 1-Dec

Theme/領域: Smart City/智慧城鄉

Chairs/主持人: 莊子毅 教授 / Professor Tzu-Yi Chuang

Room/會議室: 501

Time/時間: 11:00-12:30

Topic/主題: Geo Technology and Innovation for SDI/地理科技及創新空間資訊基礎設施

Number	Author	Title
S04501-1	Joep Crompvoets, Bastiaan van Loenen, Roos Teeuwen	Worldwide status of national geoportals 2016
S04501-2	Dan Paull, Kate Mann	Geoscape - Capturing Australia's Built Environment
S04501-3	Yi-Hsing Tseng	2D Map Visualization of Nationwide LiDAR Digital Elevation Models
S04501-4	You Shao, Samsung Lim	A Point-based Adaptive Filtering Algorithm for Lidar Data Classification in Urban Environment
S04501-5	Tien Ying-Ping, Chang Kuo-Chen, Chen Chun-Kai	A Study of Vegetation Coverage and Water Storage Capacity in Datu tableland Before and After human development in 2000 to 2015

Number/場次編號: S04502

Date/日期: 1-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: 曾義星 教授 / Professor I-Hsing Tseng

Room/會議室: 502

Time/時間: 11:00-12:30

Topic/主題: Earth Observation and Sensors/地球觀測及感測器

Number	Author	Title
S04502-1	Pin-Yun Chen, Tsung-Che Haung, Yi-Hsing Tseng	Matching and Relative Orientation of Spherical Panorama Images
S04502-2	Sarbani Saha, Pravin D Kunte, Mahender Kotha	Application of the Remote Sensing and Geo-spatial technology in terrain analysis and terrain classification in context of creation of SDI for Marine & Coastal regions
S04502-3	Yu-Ching Lin, Hung Wei Pan, Ming-Da Tsai	Change Detection Through Object-based Analysis on UAV-derived Orthoimages and Digital Surface Models
S04502-4	Kuo-En Ching, Chuan-Min Chao, Jiun-Yee Yen, Kwo-Hwa Chen, Ruey-Juin Rau, Chien-Liang Chen	Surface Creeping Analysis of the Fengshan Fault in SW Taiwan from GPS observations and PSInSAR
S04502-5	Paula McLeod, David Bélanger, Nouri Sabo	National Elevation Data Strategy for Canada
S04502-6	Patrice Galey	Earth Observation by Airbus Defense & Space: Today and Tomorrow

Number/場次編號: S04504a

Date/日期: 1-Dec

Theme/領域: Smart Disaster Prevention/智慧防災

Chairs/主持人: 黃金維 教授 / Professor Chein-Way Hwang

Room/會議室: 504a

Time/時間: 11:00-12:30

Topic/主題: Disaster Management, Reduction and Mitigation/災害管理、防治及減緩

Number	Author	Title
S04504a-1	Lun-Wei Wei, Chuen-Ming Huang, Wei-Kai Huang, Ching-Fang Lee, Ting-Chi Tsao, Chung-Chi Chi	Susceptibility and Early Warning Threshold for Rainfall-Induced Shallow Landslide in Taiwan
S04504a-2	Edgardo Gonzales Macatulad	Assessment of Building Evacuation Scenarios Considering Panic and Knowledge of Exits Using a 3D GIS Agent-Based Model
S04504a-3	Nai-Wei Lo, Kuo-Hui Yeh, Raylin Tso, Kuo-Yu Tsai, Bor-Shiun Lin	Real-time Public Sentiments Analysis and Information Integration Platform for Disaster Prevention and Refugee Rescue based on Social Network
S04504a-4	Chun-Kai Chen, Bor-Shiun Lin, Cheng-Yang Hsiao	Application of Radar Imaging Technology for Hillslope Disaster Assessment

Number/場次編號: S04505

Date/日期: 1-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: Mr. Bart De Lathouwer

Room/會議室: 505

Time/時間: 11:00-12:30

Topic/主題: SDI Governance and Policy Development/國家空間資料基礎建設及政策發展

Number	Author	Title
S04505-1	Andrew Maurice Coote, Alan Smart	Techniques for Economic Valuation of a Spatial Data Infrastructure
S04505-2	David B. Finley, Andrew MacNeil, David Coleman	Spatial Data Infrastructure in New Brunswick, Canada: Twenty Years on the Web
S04505-3	Georgina Chandler	Assessing the Importance of NSDI for the Environment Sector
S04505-4	Maria Arias de Reyna, Jose Garcia, Jeroen Ticheler	Metadata Catalogue based on GeoNetwork Opensource at Environment and Climate Change Canada (ECCC): a Use Case
S04505-5	Dev Raj Paudyal, Dev Raj Paudyal	Exploring Motivations and Barriers for Spatial Data Sharing Between Regional NRM Bodies and State Government Authority in Australia

Number/場次編號: S05504a

Date/日期: 1-Dec

Theme/領域: Smart Disaster Prevention/智慧防災

Chairs/主持人: 徐百輝 教授 / Professor Pai-Hui Hsu

Room/會議室: 504a

Time/時間: 13:30-15:00

Topic/主題: Disaster Management, Reduction and Mitigation/災害管理、防治及減緩

Number	Author	Title
S05504a-1	David Oliver Kasdan	Governance Quality and Disaster Risk: A Strong Correlation
S05504a-2	Yirui Lee	Earthquake Probability Assessment for the Active Faults in Taiwan
S05504a-3	Ting-Chi Tsao, Chih-Hao Hsu, Chen-Yu Chen, Hsiao-Yuan Yin, Hsiao-Yu Huang	Risk Analysis, Management and Governance of Debris Flow Torrents in Taiwan
S05504a-4	Bor-Shiun Lin, Chun-Kai Chen, Cheng-Yang Hsiao	Application of Multi-scale Monitoring to Evaluate Sediment Transport and Remediation Efficiency in Shih-men Reservoir Watershed
S05504a-5	Zhixuan Yang, Abbas Rajabifard	Real Property Loss Relief in the Scope of Disaster Governance

Number/場次編號: S05504b

Date/日期: 1-Dec

Theme/領域: Smart Transportation/智慧運輸

Chairs/主持人: 鍾志成 主任 / Director Chih-Cheng Chung

Room/會議室: 504b

Time/時間: 13:30-15:00

Topic/主題: SDI for the Smart Homeland/智慧國土與空間資訊基礎建設

Number	Author	Title
S05504b-1	JauMing Su	Applying Geo-Data to Evaluate the Appropriateness of Bus Network
S05504b-2	Joe-Air Jiang, Chih-Hong Sun, Jehn-Yih Juang, Tzai-Hung Wen, Xiang-Yao Zheng, Zheng-Wei Ye	An Intelligent Vehicle Monitoring System Based on IoT Technology Using for Urban Area
S05504b-3	Tzai-Hung Wen, Wei-Chien-Benny Chin	Profiling Topological Characteristics of Street Network to Identify Urban Traffic Congestion
S05504b-4	Yi-Yiung, Tommy Jen, Paul Yang, Calvin Lin	Integrating Geographic Information Systems for Sustainable High Speed Rail Life Cycle Management – A Case Study of Taiwan High Speed Rail

Number/場次編號: S05504c

Date/日期: 1-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: 賴進貴 教授 / Professor Jinn-Guey Lay

Room/會議室: 504c

Time/時間: 13:30-15:00

Topic/主題: SDI Governance and Policy Development/國家空間資料基礎建設及政策發展

Number	Author	Title
S05504c-1	Ojuku Tiafack, Pierre Ngangoumoun, Alex Mengue	Urban Growth and Front Development on Risk Zones: GIS Application for Mapping of Impacts on Mounts Messa - Nw Yaounde, Cameroon
S05504c-2	Glenn Vancauwenberghe, Danny Vandebroucke, Joep Cromptvoets	Analyzing recent trends and developments in the SDI network
S05504c-3	Harlan Onsrud	Support of Individual Autonomy to Control Privacy Exposure within Increasingly Ubiquitous Tracking Societies
S05504c-4	Tsogtdulam Munaa, Bolorchuluun Chogsom, Baasandolgor Tumursukh	SWOT, PEST and 5C Analysis on Mongolian National SDI
S05504c-5	Edward Kurwakumire	Assessing readiness for Democratization of Spatial Data and KEY Public Sector Information in Zimbabwe

Number/場次編號: S06504a

Date/日期: 1-Dec

Theme/領域: Smart Disaster Prevention/智慧防災

Chairs/主持人: 蔡博文 教授 / Professor Po-Wen Tsai

Room/會議室: 504a

Time/時間: 15:30-17:00

Topic/主題: Disaster Management, Reduction and Mitigation/災害管理、防治及減緩

Number	Author	Title
S06504a-1	Dev Raj Paudyal, Dev Paudyal	Building Resilience of Vulnerable Groups Using Spatial Data and Technology for: A Case of 2015 Nepal Earthquake and Informal Settlements in Kathmandu
S06504a-2	Katie Elizabeth Potts, Abbas Rajabifard	Smart Disaster Communities: Building a Global Disaster Management Platform
S06504a-3	Hideki Hayashi, Akinori Asahara, Hitoshi Tomita, Yuichi Ogawa, Natsuko Sugaya, Yoshihide Sekimoto, Akihito Sudo, Takehiro Kashiya, Toshikazu Seto, Hiroki Ishizuka, Satoshi Nishiyama	Are estimation algorithms applicable for disaster management? – Experimental demonstration of disaster-information-integration platform named ‘G-space platform’
S06504a-4	Yong-Jun LIN, Hsiang-Kuan Chang, Jihn-Sung Lai, Rong-Kang Shang	Landslide Warning using Ensemble Precipitation Forecasting

Number/場次編號: S06504b

Date/日期: 1-Dec

Theme/領域: Smart Transportation/智慧運輸

Chairs/主持人: 張學孔 教授 / Professor Hsueh-Kung Chang

Room/會議室: 504b

Time/時間: 15:30-17:00

Topic/主題: Geo Technology and Innovation for SDI/地理科技及創新空間資訊基礎設施

Number	Author	Title
S06504b-1	Tu Huan Lin, Chian Shan Suen, Yu Lin Shih	The Risk Management Methodologies Used in Railway System - a Case Study of Alishan Forest Railway in Taiwan
S06504b-2	Shi Shin, Wing Lin, Ming-Chih Hsieh, Chuan-Ying Shiau, En-Fu Chang, Shu-Yu Huang	The Open Data Application on Real-time Transportation Information and Dynamic Vehicle Positioning
S06504b-3	Anthony Gidudu, Gloria Owona	Assessment of OpenStreetMap – A Case of Kampala
S06504b-4	Jung-Hong Hong, Chin-Sung Yang	Serving Feature-based Topographic Maps for Facilitating Cross-Domain Applications in SDI

Number/場次編號: S06504c

Date/日期: 1-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: 林老生 教授 / Professor Lao-Sheng Lin

Room/會議室: 504c

Time/時間: 15:30-17:00

Topic/主題: Geo Data for Decision Making/地理資料協助決策

Number	Author	Title
S06504c-1	Yiqun Chen, Abbas Rajabifard, Geoff Spring, Ged Griffin, Judy Gouldbourn	The Impact of Spatial Enablement and Visualisation on Business Enterprise Databases - What your data have been trying to tell you
S06504c-2	Dewayany - Sutrisno	The Development of Geospatial Decision Support System Tool for Marine Spatial Planning
S06504c-3	James Yichu Chen, Meng-Han Tsai, Tzong-Hann Wu, Shiang-Wen Yang, Shih-Chung Kang	D-Show: The Qualitative Disaster Information Delivery System
S06504c-4	Bujar Isa Nushi, Bastiaan van Loenen, Joep Crompvoets	Blueprint for the STIG1.0 – setting the performance indicators
S06504c-5	Michael Quast	I4D - Intelligence for Decision by Airbus Defence and Space

Number/場次編號: S07501

Date/日期: 2-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: Dr. Carl Reed

Room/會議室: 501

Time/時間: 9:00-10:30

Topic/主題: Geo Technology and Innovation for SDI/地理科技及創新空間資訊基礎設施

Number	Author	Title
S07501-1	Chukwudozie Ezigbalike, Léandre Ngogang Wandji, Peter Kinyua Njagi	Convergence of Spatial Data Infrastructure and Data revolution
S07501-2	Caitlin McHugh, Samsung Lim	Image Processing and Feature Extraction for Building Information Modelling
S07501-3	HoneJay Chu	Using Smart Phone and Kinect for Fall Detection
S07501-4	Gabor Remetey, Andrew E. Mitchell, Mirko Albani	CEOS Working Group on Information System and Services (WGISS) Earth Observation Data Access Infrastructure and Interoperability Standards

Number/場次編號: S07502

Date/日期: 2-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: 孫志鴻 教授 / Professor Chih-Hung Sun

Room/會議室: 502

Time/時間: 9:00-10:30

Topic/主題: SDI Governance and Policy Development/國家空間資料基礎建設及政策發展

Number	Author	Title
S07502-1	Abdulsalam Mohammed	Al Madinah Al Munawwara SDI Supports Physical Infrastructure Planning and Data Sharing Across Local Governments
S07502-2	Chao-Kuei Hung	Lowering the Barrier to OSM Contribution using Ethercalc and ChorusMap
S07502-3	Nab Raj Subedi, Diego Navarra, Christiaan H. J. Lemmen, Dev Raj Paudyal	Evaluation of Success of National Geographic Information Infrastructure (NGII): User Satisfaction Perspective (A case in Nepal)
S07502-4	Chia-Yi Cheng, Chen-Fu Lu	The Application of the GIS to the Government's Regulatory Impact Assessment– A Case Study of the Agricultural Zoning policy in Taiwan

Number/場次編號: S07505

Date/日期: 2-Dec

Theme/領域: Smart City/智慧城鄉

Chairs/主持人: 江凱偉 教授 / Professor Kai-Wei Chiang

Room/會議室: 505

Time/時間: 9:00-10:30

Topic/主題: Geo Education and Cartography/地理教育及製圖

Number	Author	Title
S07505-1	Roger Longhorn	Role of Coastal/Marine Atlases in Human-centric SDIs
S07505-2	Mahender Kotha, Pravin D Kunte	Geospatial Education in India: Opportunities and Challenges in context of Smart Cities and Digital India programs
S07505-3	I-Wen Chen, Hou-Ren Chen, Yi-Hsing Tseng	Automatic Matching and Geo-referencing of Historical Aerial Images
S07505-4	Lay Jinn-Guey, Chen Chang-An, Wu Jia-Rong, Kao Ching-Jen	Applications of Geographic Names Information Service in K-12 Education of Taiwan

Number/場次編號: S08501

Date/日期: 2-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: Mr. Mark Reichardt

Room/會議室: 501

Time/時間: 11:00-12:30

Topic/主題: Geo Technology and Innovation for SDI/地理科技及創新空間資訊基礎設施

Number	Author	Title
S08501-1	Joana Simoes, Paul Van Genuchten, Maria Arias de Reyna	Cloud Solutions for Homeland's SDI
S08501-2	Joana Simoes, Paul Van Genuchten, Jeroen Ticheler	Taming Big Data with Metadata
S08501-3	Yu Hung Chen	Applying Ultra Low Frequency Electromagnetic Wave Remote Sensing Techniques to Hyporheic Zone Water Supply Potential Analyses - A Case Study on Southern Taiwan
S08501-4	Hsin-Hsien Chen, Chih-Yuan Huang	An Open Standard Solution for a Smart Agriculture Monitoring Application

Number/場次編號: S08502

Date/日期: 2-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: Dr. Trevor Taylor

Room/會議室: 502

Time/時間: 11:00-12:30

Topic/主題: SDI Governance and Policy Development/國家空間資料基礎建設及政策發展

Number	Author	Title
S08502-1	Jaap-Willem Sjoukema, Arnold Bregt, Joep Crompvoets	What is effective governance for SDI's?
S08502-2	Danny Vandenbroucke, Ann Crabbé, Stijn Keijers	Evaluating INSPIRE: testing and validating as a way to steer and guide implementation actions
S08502-3	Phurith Meeprom, Kaew Nualchawee	The Web Map Server Interface : Standardization and Application development in Thailand and its trends toward National Spatial Data Infrastructure Policy
S08502-4	Wanyu Shih, Leslie Mabon	Development of indicators for spatial assessment of heat vulnerability within cities: the case of Tapiei City
S08502-5	Joep Crompvoets, Ian Masser, Glenn Vancauwenberghe	The Governance of INSPIRE Implementation

Number/場次編號: S08505

Date/日期: 2-Dec

Theme/領域: Smart City/智慧城市

Chairs/主持人: 白仁德 教授 / Professor Jen-Te Pai

Room/會議室: 505

Time/時間: 11:00-12:30

Topic/主題: Land Information and Management Systems/國土資訊與管理系統

Number	Author	Title
S08505-1	Weida Tu	The Online Building Energy Saving Platform for SME Energy Management in Taiwan
S08505-2	Ine Buntinx, Bruno Broucker, Valérie Pattyn, Serene Ho, Joep Cromptvoets	Geospatial Technology Innovations for Land Tenure Security in East Africa - Getting Needs
S08505-3	Yun-Tzu Kuo, Jhen-Kai Liao, Kai-Wei Chiang	Accuracy Analysis of Differential Distance Correction using Bluetooth Low Energy Technology on Indoor Positioning System
S08505-4	Susanne Franziska Schmitt, Paolo Tibaldeschi, Pablo Izquierdo, David Patterson, Ludo Nijsten, Aurelie Shapiro	WWF-SIGHT and why spatial environmental and social data is crucial for conservation
S08505-5	Punya P. Oli, Manisha Thapa	Land Use Zoning Database in Nepal