

제15차 GIS 국제세미나

The 15th International Seminar on GIS

글로벌 공간정보사회 구현을 위한 국제협력방안

International Collaboration for Global Geospatial
Information Society

일시 2011년 10월 27일(목) 9:40~18:00

장소 일산 KINTEX 3층 304호

주최 국토연구원  KRIHS  한국건설기술연구원
KOREAN INSTITUTE OF CONSTRUCTION TECHNOLOGY



모시는 글 | Invitation

최근 소셜 네트워크의 전세계적인 확산으로 인해 정보통신환경이 비약적으로 발전하고 재난재해 등 글로벌 이슈가 부각됨에 따라 국제사회에서의 상호의존성이 급격히 증가하고 있습니다. 이로 인해 범지구적 협력 및 공동연구의 필요성이 증대하고 있는 실정입니다. 이에 국경을 초월한 연구협력 네트워크를 조성하여 공간정보를 활용한 글로벌 이슈 해결에 기여하기 위한 토론의 장을 마련하였습니다.

국토연구원은 정보환경의 변화에 능동적으로 대처하는 공간정보정책을 모색하기 위해 매년 국제세미나를 개최해 오고 있습니다. 금년에는 한국건설기술연구원과 공동으로 “글로벌 공간정보사회 구현을 위한 국제협력방안”이라는 주제로 국제세미나를 개최합니다.

국내외 전문가들을 모시고 공간정보 발전을 위한 공동연구 사례를 공유하고 상생적 국제협력 방안 등에 대해 심도있는 논의를 진행하고자 하오니 부디 참석하시어 자리를 빛내 주시기 바랍니다.

2011년 10월

국토연구원장 박 양 호

한국건설기술연구원장 우 효 섭



행사개요 | Summary

t • 세미나명 : 글로벌 공간정보사회 구현을 위한 국제협력방안

International Collaboration for Global Geospatial Information Society

- 일 시 : 2011년 10월 27일(목) 9:40~18:00
- 장 소 : 일산 KINTEX 3층 304호
- 주 최 : 국토연구원, 한국건설기술연구원



행사목적 | Purpose

- 주요국 공간정보의 연구개발 정책을 비교·분석하고 국내·외의 연구협력 사례를 공유함으로써 공간정보 R&D의 발전을 위한 국제협력 및 연구네트워크 강화
- Reinforcement of international collaboration and global research networks for expanding R&D on geospatial information
 - ▶ the comparative analyses of R&D policies in major countries
 - ▶ the sharing case-studies of R&D cooperation



세부주제 | Main Topic

- 주요국의 공간정보 R&D 방향 및 시사점
- 국내·외 환경 변화에 따른 공간정보 R&D 협력 사례 공유
- 공간정보 연구를 위한 글로벌 네트워크 조성방안 논의
- Directions and implications on geospatial information R&D in major countries
- Sharing the case-studies of international R&D cooperation under the changes in the domestic and external environment
- Discussion about the development of a global research network on geospatial information



프로그램 & 토론자 | Program & Penelists

Time	Program
09:40~10:10	Registration
10:10~10:30	Opening Address (President, KRIHS) Congratulatory Address (President, KICT)
10:30~11:10	Keynote Speech (1) Geospatial Networking in Europe: The Vision and Actions of EUROGI (Mauro Salvemini, AMFM GIS Italia)
11:10~11:50	Keynote Speech (2) Key Issues on the Management of Geographic Information: An International Perspective (Fraser Taylor, Carleton University)
11:50~13:00	Lunch

Session 1 Global Collaboration(I): International R&D Cooperation	
13:00~13:40	R&D Policy on Geospatial Information and International Cooperation in Korea (Hyun Sang Choi, KICT)
13:40~14:20	The Implementation of Interoperable Massive Sensors Data Processing by Cloud Technology (Tien-Yin Chou, Feng Chia University)
14:20~15:00	Applied-GIS development and Proposal on Building Urban Planning Information System in Vietnam (Luu Duc Minh, Vietnam Ministry of Construction)
15:00~15:20	Coffee Break

Session 2 Global Collaboration(II): Global Research Network	
15:20 ~ 16:00	Evacuation and Sheltering Assistance Planning for Special Needs Population: Kobe GIS-Mapping Project of People with Special Needs in Times of Disasters (Shigeo Tatsuki, Doshisha University)
16:00 ~ 16:40	Strategies for Building a Global Geospatial Information Research Network (Dong Bin Shin, KRIHS)
16:40 ~ 17:00	Coffee Break
Session 3 Discussion	
17:00 ~ 18:00	Panel Discussion "Reinforcement of international research cooperation"

토론자 | Panelists

Chair	<p>Hong, SangKi (홍상기) Professor, Anyang University Convenor, WG 10 ISO/TC21</p>	
Panelists	<p>Choi, Hyun Sang (최현상) Director of U-Land Implementation Research Division KICT(Korea Institute of Construction Technology)</p> <p>Shigeo Tatsuki Professor, Doshisha University</p> <p>Tien-Yin (Jimmy) Chou Professor, Feng Chia University</p> <p>Luu Duc MINH Head of Database-GIS Division, Vietnam Ministry of Construction</p>	<p>Shin, Dong Bin (신동빈) Research fellow, KRIHS(Korea Research Institute for Human Settlements)</p> <p>Kim, Min Soo (김민수) Senior Researcher, ETRI(Electronics and telecommunications Research Institute)</p> <p>Hong, Il Young (홍일영) Professor, Namseoul University</p>



Mauro Salvemini

Italy

Internationally recognized expert in applied informatics to spatial planning, environment and e-government. Pioneer of spatial data infrastructure SDI. Civil engineer since 1972, he taught applied computer technology in planning and urban design in several foreign universities, professor at Sapienza University of Rome, he is now Senior Researcher. UN expert already for the UN Human Settlements initiative, recently he has been invited to join to the small group of world experts to implement the UN World Conference on Geospatial Information Management. Expert and evaluator of European Commission for e-government and the spatial information in Framework Programs of Research, he has been involved since the beginning in the INSPIRE directive of European Union. Head of Laboratory of Geographic and Environmental Information Systems, University of Rome and president of Italian Association AMFM GIS Italy, he is the past president European Association EUROGI. Former President of AGILE European association of research laboratories for geospatial information, he taught in Chinese, American, Spanish and Egyptian universities. He has been the initiator and author of ECDL-GIS certification programme. He is member of Global Advisory Committee of OGC. Head of research for public and private organizations, designer and project manager of major public contracts in the field of information systems and digital mapping. Author of more than eighty publications, most refereed and presented at international conferences. Member of national and European committees, already director of public corporations, he is settled in Italy between Rome and Anzio often world widely traveling for evangelizing geospatial information and his sustainable utilization.



Fraser Taylor

Canada

Dr. Taylor is Distinguished Research Professor of International Affairs and Geography and Environmental Studies at Carleton University in Ottawa, Canada. He is also Director Geomatics and Cartographic Research Centre. In 2008 he was elected a Fellow of the Royal Society of Canada. He is widely recognized as one of the world's leading cartographers. His main research interests in cartography lie in the application of geographic information processing to the analysis of socio-economic issues in both a national and international context and the presentation of the results in the form of cybercartographic atlases. He is a member of as the international CODATA Task Group on Preservation and Access to Scientific and Technical Data in Developing Countries, a member of the Group on Earth Observations System of Systems (GEOS) Data Sharing Task Force and the CODATA Task Group on Data at Risk. He is also a Board member of the OGC (Open Geospatial Consortium) Interoperability Institute and the OGC Global Advisory Council. Dr. Taylor's current funded research involves working with aboriginal and Inuit communities to empower these communities to express their perceptions of their own environmental and socio-economic reality in new ways utilizing the Cybercartographic Atlas Framework.



Hyun Sang Choi

Korea

Hyun Sang Choi is Director of U-Land Implementation Research Division in Korea Institute of Construction Technology. He received Ph.D. in Water Resource Management based on GIS Technology. His Major research fields are convergence of Construction and ICT technologies,

Ubiquitous Sensor Network application for Smart City(u-City) and National R&D strategy for National SDI Technical development, etc. He had contributed in 「Strategic Planning for Korean Land Spatialization Group」(2006) and also recently has taken the lead in 「Strategic Planning for Advanced Technologies of National Spatial Digital Infrastructure」(2011).



Shigeo Tatsuki

Japan

Shigeo Tatsuki is a professor of sociology at Doshisha University in Kyoto, Japan. He received Ph.D. in Social Work at University of Toronto. He is also a senior research scientist at Disaster Reduction and Human Renovation

Institution in Kobe, Japan. His major research topics include counter-disaster measures for people with special needs in times of disaster, long-term life recovery from mega-disasters, and the power of social capital in controlling crimes. He is a Vice Chairperson of the Institute of Social Safety Science, Japan.



Luu Duc MINH

Vietnam

Luu Duc MINH is the head of Database-GIS Division of Vietnam Institute of Architecture, Urban and Rural Planning which is under Vietnam Ministry of Construction. His major was urban development policy and strategy since studied

from University of Tokyo, Japan until now. Recently, he has moved to research on applying GIS into urban planning formulation and management as well. The project proposal on building Vietnam Urban Planning Information System is now in research which is leading by him in expectation of strengthening and enhancing urban development management of Vietnam at both central and local government.



Tien-Yin (Jimmy) Chou

Taiwan

Prof. Chou had his doctorate degree from Department of Resources Development at Michigan State University in 1990. He has been the Director of GIS Research Center of Feng Chia University (GIS.FCU) for 20 years, and served as a Distinguished Professor since 2009. With his profession and enthusiasm, Prof. Chou has worked hard with his 140 employees to bring the GIS.FCU as one of the leading role in the GIS-related academic and industry field. GIS.FCU has implemented a wide range of GIS projects, including resource management, hazard monitoring, e-Learning, fleet monitoring, etc. He also supervises graduate students and teaches courses pertaining to GIS science, land management, and resources management at FCU.



Dong Bin Shin

Korea

Dong Bin Shin is a Research Fellow in Korea Research Institute for Human Settlements. He received Ph.D. in Civil Engineering at Yonsei University. Major research fields are National GIS policy, Geographic Information Circulation and Quality Control of GIS Database. Recent research works include 「A Strategy to Construct the Spatial Information of National Territory for Socially Vulnerable Groups」(2009), 「GIS-based Public Participation in Urban Planning : Design of Prototype Web2.0 Site and Policy Implication」(2008), Policy Framework for introducing World Geodetic Reference System」(2007), 「Strategies for Enhancing National Geographic Information Clearinghouse」(2006), 「A Study on the Promotion of Integrated Management Plan of Roads and Underground Facilities Database」(2003).

찾아오는 길 | Direction



지하철

3호선 대화역 1, 2번 출구 도보 10분

버스

강 남 9700

서울역/광화문 770,72,1000,2000,9708,8880,M7106

인천터미널 3000

영 등 포 870,873,9707

김 포 공 항 150, 공항리무진

인 천 공 항 3300, 공항리무진

일 산 지 역
도시형 - 093,88,151,200,700,900,919
마을버스 - 9,091,056,057,080,082,089

자가용

영동대교 남단 > 올림픽대로 > 가양대교 남단 > 가양대교 북단 > 강변북로 > 자유로 > 킨텍스 IC > 킨텍스

How to get KINTEX(by car)

South End of Yeongdongdaegyo(Bridge) → Olympic Expressway →
South End of Gayangdaegyo (Bridge) → North End of Gayangdaegyo
(Bridge) → Gangbyeon Expressway → Jayro → KINTEX IC → KINTEX