## 2018 ICGIS Program

### Time | Program
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09:30~10:00 | Registration
10:00~10:10 | Opening Remarks
10:00~10:10 | President of KRIHS
10:10~10:40 | Keynote Speech 1
10:40~11:10 | "New Approaches to Space-Time Analytics of Human Dynamics"
11:10~11:40 | "Geo AI for Human Life"
11:40~13:30 | Lunch
13:30~14:00 | Keynote Speech 2
14:00~14:30 | "AI for Smart Mobility"
14:30~15:00 | "Geospatial Information and Machine Learning Application in Japan"
15:00~15:30 | "Cloud-powered Machine Learnings on Geospatial Services – From the Earth to Your Home"
15:30~16:00 | "A Deep Learning Approach for Simulating Urban Development"
16:00~16:20 | Coffee break
16:20~17:30 | Round-Table Meeting

Closing Remarks |  

**The Future of Geospatial AI**

**2018. 9. 13 (THU.) 10:00~17:30**

**COEX Conference Room(South) 308**

**주최** 국토연구원 KRIHS

**주관** 국토교통부

**코엑스 컨퍼런스룸(남) 308호**

인공지능과 공간정보가 함께하는 미래사회
Stephan Winter  |  The University of Melbourne

Stephan Winter is Professor for Spatial Information Science in the Department of Infrastructure Engineering at The University of Melbourne. His areas of research interest include intelligent transportation systems and computational transportation science. He has also worked in the fields of mobile geosensor networks, smart cities as well as spatial cognitive engineering, spatial cognition, spatial data mining and geographic information retrieval.

- 2013– Professor, Geomatics Department of Infrastructure Engineering, The University of Melbourn
- 2007–2012 Associate Professor, Department of Geomatics, The University of Melbourne
- 2005 Visiting Faculty, University of Muenster
- 2003 Visiting Faculty, University of Redlands
- 2002–2003 Visiting Faculty, Carinthia Tech Institute

May Yuan  |  The University of Texas at Dallas

May Yuan is Ashbel Smith Professor of Geospatial Information Sciences in the School of Economic, Political, and Policy Sciences at the University of Texas at Dallas. She studies temporal GIS and its applications to geographic dynamics. Over the last 20 years, her research has developed new approaches to represent geographic processes and events in GIS databases to support space-time query, analytics and knowledge discovery.

- 2014– Professor, The University of Texas at Dallas
- 2011–2012 President of University Consortium for GIS
- 2009–2014 Mapping Science Committee at the National Research Council
- 1994–2014 Brandt Professor and Edith Kinney Gaylord Presidential Professor and Director of Center for Spatial Analysis at the University of Oklahoma

Brett Dixon  |  Asia Pacific at ESRI

Brett has been working in the geospatial intelligence realm for almost two decades. He’s passionate about using GIS and geomatics to assist in national security, emergency and recovery, and disaster response. Now, he advises many agencies throughout the Asia Pacific region, leveraging his GIS skills and national security knowledge to stay ahead of geospatial trends and challenges.

- 2017- Advisory Board Member, Geospatial Media and Communications
- 2016- General Manager for Asia Pacific, Esri
- 2007–2012 Owner Principal, Hunter Seeker Pty Ltd
- 2009–2010 Professional Services Manager of National Government, Canberra, Australia
- 2005–2007 Professional Services Lead – ACT, Esri Australia
- 2003–2005 GIS Manager, Energy Australia

Seung-II You  |  Kakao Mobility Data Lab

Dr. Seungil You is the head of databak at Kakao Mobility, where he is leading the research effort for building an AI system that leverages spatiotemporal data. Currently, his main work is developing AI systems that can operate at scale and improve Kakao Mobility's core services. He also wrote many papers in machine learning, control and decision, and communication.

- 2018 – Head of databak, Kakao Mobility, Pangyo, South Korea
- 2015 – 2018 Senior software engineer, Google Research, Mountain View, U.S.
- 2015 PhD in control and dynamical systems, California institute of technology, Pasadena, U.S.
- 2011 BS in electrical engineering, Seoul national university, Seoul, South Korea

Channy Yun  |  Amazon Web Service Korea

Channy Yun is a Principal Technical Evangelist at Amazon Web Services and works with Korean developers to enable them to use AWS cloud services. He has over 20 years of experience in various information systems such as geospatial, content management, e-commerce platforms, and building their large-scale API systems such as Amazon Search and Maps APIs. Now he has special interests in cloud native architectures such as serverless, container, mobile/IoT, and machine learning.

- 2014- Technical Evangelist at Amazon Web Services Korea
- 2007-2014 Adjunct Professor of Dept. Computer Engineering at Jeju National University
- 2004-2014 Team Manager of DNA Lab at Daum Communications
- 1996-2003 CTO of Nine4u

Donghan Kim  |  Korea Research Institute for Human Settlements

Donghan Kim is a research fellow at the Geospatial Analytics Center in the Korea Research Institute for Human Settlements. His research focus is on developing and applying urban and regional models for planning policy. His recent modelling work covers the following themes: urban sprawl and growth, urban decay and regeneration, urban gentrification and segregation, firm dynamics and employment location, regional disparity and balanced development, etc.

- 1998–2000. MA. College of Urban Planning and Policy, Graduate Research Assistant at the Great Cities Urban Data Visualization Lab. University of Illinois, Chicago, USA

Yoshiki Ogawa  |  Project Researcher, The University of Tokyo

Yoshiki Ogawa is Project Researcher for Spatial Information Science and Institute of Industrial Science at The University of Tokyo. His area of research is Big data analysis of GIS data and developing integrated simulation system of gigantic earthquake and tsunami disasters. He utilizes data from mobile phones GPS and various GIS data to observe and measure people phenomena in our urban/rural regions and develop and apply simulation models to understand the past and predict the future disaster damage by integrated simulation.

- 2016– Project Researcher, Center for Spatial Information Science and Institute of Industrial Science, The University of Tokyo
- 2016 Ph.D, Graduate School of Frontier Sciences, The University of Tokyo
- 2013 M.S, Graduate School of Frontier Sciences, The University of Tokyo

Min-Hwa Lee  |  KCERN

Min-Hwa Lee established S. Korea’s first venture company, Medison Co., Ltd. in 1985, which has grown into a global medical equipment company. He paved the way for venture companies to flourish in S. Korea by enacting special law on venture companies, establishing KOSDAQ, and initiating various venture policies. In 2013, he has established the Creative Economy Research Society to plan the civilian future of S. Korea and is currently still serving as chairman.

- 2013– Chairman, KCERN(Korea Creative Economy Research Network)
- 2009– Professor, KAIST(Korea Advanced Institute of Science and Technology)
- 2008– Chairman, Eurasian Network