

Digital Earth, Connecting Together

Aug. 31 (Wed.) – Sept. 2 (Fri.), 2022
Exhibition Center 1, KINTEX

CONFERENCE PROGRAM BOOK

Host



Organizer



KINTEX

Sponsor



Metaverse Special Conference

Metaverse

Date Sept. 1 (Thur.), 10:00 - 12:00

Venue

Stage A in Hall 3&4&5, Exhibition Center 1

Host Secretariat of World Smart City Expo 2022

General Information |

Metaverse and Future Cities in the Era of Digital Pioneering

Outlook and Prospects of Convergence Technology for Future Cities

Program |

 Simultaneous Interpretation  Live Streaming

TIME	CONTENT	SPEAKER
10:00~10:02	Congratulatory Remark	Mun Seong Yo (MOLIT Territorial and Urban Development Office, Deputy Minister)
10:02~10:27	(Keynote speech) 3 words to address the world	Chris-Sheldrick (What3Words, CEO)
10:27~10:39	(Presenter 1) Connecting Virtual to Reality via Digital Twin	Jihyun Oh(Unity Technologies Korea, Lead Evangelist)
10:39~10:51	(Presenter 2) A web-based metaverse platform that can be applied to public services	JEON CHANG DAE (THEPICT Inc., CEO)
10:51~11:03	(Presenter 3) Real beyond Real	Sam Jeon (VENTA VR, CEO)
11:03~11:13	Wrap-Up	
11:13~11:25	(Presenter 4) Log in with a whole new face, virtual humans in the Metaverse Era	Joshua Oh (dob Studio, Inc., CEO)
11:25~11:37	(Presenter 5) How to save the time and space	Choi Taein (CLROBUR.Co.,Ltd, CEO)
11:37~11:49	(Presenter 6) Metaverse, Expanded world of Digital Twin	Shawn Oh (PLUXITY, Director(R&D))
11:49~12:00	Wrap-Up	

WSCE Speakers |

Keynote Speaker



Chris Sheldrick

- Co-Founder and CEO of what3words
- Developed a new geocode system to solve the inconvenience of the existing spatial address system

Presenters



Jihyun Oh/Lead Evangelist
Unity Technologies Korea



JEON CHANG DAE/CEO
THEPICT Inc.



Sam Jeon /CEO
VENTA VR



Joshua Oh/CEO
dob Studio, Inc.



Choi Taein /CEO
CLROBUR.Co.,Ltd



Shawn Oh/CEO
PLUXITY

ESG Special Conference

ESG

Date Sept. 2 (Fri.), 10:00 – 12:00

Venue

Stage A in Hall 3&4&5, Exhibition Center 1

Host Secretariat of World Smart City Expo 2022

General Information |

ESG Strategy that Enriches and Progresses the Future Cities

Discussion on the Models in Urban Development and Operation

Program |

 Simultaneous Interpretation  Live Streaming

TIME	CONTENT	SPEAKER
10:00~10:03	Congratulatory Remark	Shin Kyeong-cheol (National Land & Urban Development Division, Vice president)
10:03~10:28	(Keynote speech) ESG Pieconomics for Sustainable Cities	Alex Edmans (London Business School, Professor of Finance)
10:28~10:35	Discussion	
10:35~10:50	(Panel1) Doing ESG for a Sustainable Society	Joon Ho Lee (SK Telecom Co., Ltd ESG Department Group, Vice President)
10:50~11:05	(Panel2) AWS Cloud for sustainable cities, and ESG recommendations	Kim, Kibyoung (Amazon Web Services Korea, Public Sector, Government Business Manager)
10:05~11:20	(Panel3) Corporate Strategy on ESG(Net Zero focused)	Sungwoo Kim (Kim & Chang, Head of Environment & Energy Research Institute)
11:20~12:00	Discussion	

WSCE Speakers |

Keynote Speaker



Alex Edmans

- London Business School / Professor of Finance
- The Investor Forum CIC / Non Executive Director
- (Former) The Wharton School / Associate Professor of Finance
- (Former) National Bureau of Economic Research / Faculty Research Fellow

Session Chairman



유연철

- 유엔글로벌콤팩트* 한국협회 사무총장
- 기후 및 환경 분야의 가장 저명한 외교관으로 외교부 기후변화대사, P4G 정상회의 기획단장 역임
- 유엔기후변화협약(COP) 이행부속기구(SBI) 부의장

Panel



Joon Ho Lee/Vice President
SK Telecom Co., Ltd
ESG Department Group



Kim, Kibyoung/Public Sector,
Government Business Manager
Amazon Web Services Korea



Sungwoo Kim/Head of Environment &
Energy Research Institute
Kim & Chang

Smart City Top Agenda Symposium

Policy &
Global Cooperation

Date	Sept. 1 (Thur.), 14:00 – 17:00	Venue	Stage A in Hall 3&4&5, Exhibition Center 1
Host	Ministry of Land, Infrastructure and Transport(MOLIT)	Organizer	Korea Agency for Infrastructure Technology Advancement(KAIA)

General Information |

Digital Transition for a Better Urban Future

Countries and cities around the world are trying to solve their own urban problems and to transform to smart cities through digital transition in various fields such as safety, life, transportation, and energy. In Korea, it is also planning to build up future growth engines through digitalization of smart cities, mobility, and SOC. The aim of TAS is to find ways to ensure urban competitiveness through sharing of domestic policies, endeavors, and practical overseas cases for digital transition.

Program |

 Simultaneous Interpretation
 Live Streaming

TIME	CONTENT	SPEAKER
14:00~14:15	Guidance	Announcer
	Opening Address	Park Seung Ki (Korea Agency for Infrastructure Technology Advancement, President)
	Congratulatory Address	Mun Seong Yo (Ministry of Land, Infrastructure and Transport, Deputy Minister for Territorial and Urban Development)
14:15~14:30	(Keynote Speech) Relationship Between Digital Innovation and Population · Social Change	Geoffrey West (Santa Fe Institute, Professor)
Session 1 : Domestic Policies and Endeavors related to Digital Innovation and Smart City		
14:35~14:50	(Presentation 1) Developing Government as a Platform in Korea	Koh Jean (Presidential Committee on Digital Platform Government, Chairperson)
14:50~15:05	(Presentation 2) Updates and Prospect of standardization on Smart Cities and Communities	Kim Hyoung Jun (ETRI, Senior Vice President of Intelligent Convergence Research Laboratory)
15:05~15:20	(Presentation 3) Cooperative partnership and resource managing for digital conversion	Lee Jung Hoon (Yonsei Graduate School of Information, Professor)
Session 2 : Oversea Cases for Digital Innovation		
15:30~15:45	(Presentation 4) Towards a New Digital Urbanity	Jose Carlos Arnal (Ministry of Education and Vocational Training, Advisor to the Minister)
15:45~16:00	(Presentation 5) Enriching City Data with LoRaWan IoT Deployment	Luis Muñoz (University of Cantabria, Professor)
16:00~16:15	(Presentation 6) Innovations in City Administration and Decision-making	Jeanne Holm (City of LA, Deputy mayor of Budget and Innovation)
16:15~16:30	(Presentation 7) Finance Structure for Sustaining Infrastructure Using Data	Peter Adriaens (University of Michigan, Professor)
16:30~16:45	(Presentation 8) Trend on UN-Habitat in relation to New Urban Agenda	Shipra Narang Suri (UN-Habitat, OIC of Urban Practice Branch)
16:45~16:50	Closing Address and Wrap-up	Announcer

Korea-Asia International Seminar on Smart Cities

Policy &
Global Cooperation


Date	Aug. 31 (Wed.), 10:00 – 12:30	Venue	Agora in Hall 3&4&5, Exhibition Center 1
Host	KOICA (Korea International Cooperation Agency), UN-HABITAT KOREA, ISCA (Institute of Smart City & Architecture)	Organizer	Department of Global Smart City, Sungkyunkwan University

General Information |

Current Issues in Asian Smart Cities

This session presents ongoing research on Asian smart cities by the government officials from various Asian countries pursuing master's degree in the KOICA(Korea International Cooperation Agency)-Sungkyunkwan University's smart city program. Potential for cooperation and collaboration between Korea and Asian countries will be discussed.

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
10:00-10:07	Welcome Speech	Kim Donyun (Professor, Sungkyunkwan University & Chair of Korea National Smart City Committee)
10:07-10:10	Congratulatory Speech	Sohn Hyuk-Sang (President, Korea International Cooperation Agency (KOICA))
10:10~11:54	Presentations	<ul style="list-style-type: none"> - SHRESTHA, Prabin (Nepal Ministry of Urban Development) - BISWAS, Suman (Bangladesh Ministry of Housing and Public Works) - PHAM, Van Hoa (Vietnam Ministry of Transport) - UMAIR, Muhammad (Pakistan Ministry of Housing and Works) - MONTHAZERI, Rido (Indonesia Ministry of Public Works and Housing) - PHAM, Hai Dang (Vietnam Academy of Managers for Construction and Cities) - PASKARAN, Sutharman (Sri Lanka Road Development Authority) - SHAH, Sudhir (Nepal Ministry of Urban Development) - DEWI, Chintia (Indonesia Geospatial Information Agency) - ROJO, Darwin Jarvis (Philippines National Economic Development Authority) - RYADI, Slamet (Indonesia Ministry of Public Works and Housing) - DZHANGELDIEV, Karatai (Kyrgyzstan Ministry of Economy and Finance) - THAPA, Jhanka Bahadur (Nepal Ministry of Urban Development)
11:54-12:00	Break	
12:00-12:25	(Panel Discussion) Korea-Asia International Collaboration in Smart City Development for Co-Prosperity	(Panel Moderator) Kim Jeeyeop (Professor, Sungkyunkwan University) (Panelists) Kim In-hee (Head of Department of Urban Planning & Design, Seoul Institute) and 1 Other
12:25-12:30	Closing	

Discussion on Building Smart City Infrastructure in Response to Crisis

Infrastructure & Buildings


Date	Aug. 31 (Wed.), 13:00 – 16:00	Venue	Stage C in Hall 3&4&5, Exhibition Center 1
Host	National Assembly ICT Convergence Forum · Association of Korean Journalists	Organizer	Korea Sustainability Management Evaluation

General Information |

Responding to crisis situations such as infectious diseases, wars, climate change, etc Analysis and Development of Smart City Infrastructure

Government, institutions, local governments, large enterprises, medium and small businesses, and startups can cooperate and sympathize with each other, and seek ways to revitalize SOC-ICT convergence businesses to contribute to successful smart city construction

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
13:00~13:15	Opening speeches and congratulatory speeches	(Opening speeches) - Myunghee Jo (National Assembly ICT Convergence Forum / Member of the National Assembly) - Daeseock Seong (Association of Korean Journalists / The president of the association)
13:15~13:45	Smart City SOC-ICT Award Ceremony for Outstanding Companies	
13:50~13:55	Introduction to presentation and Panel	(The chief of a seat) Chae-Un Lim(Sogang University / Professor)
13:55~14:15	Smart City Making for Transition Era	(Presentation) Donyun Kim(Sungkunkwan University / Professor)
14:15~15:27	panel discussion	(The chief of a seat) Chae-Un Lim(Sogang University / Professor) (Panel) - Joonghyun Lee(Sejong City Smart City Division / Director) - Jin Kim(Korea Water Resources Corporation of Smart City Development Dept. / General Director) - Donag-Seok Lim(Healthconnect Co., Ltd. / CEO) - Su Lee(KB Securities / General Manager) - Sung-min Yang(SAMOO Architects and Engineers / Associate Principal) - Sanghoon Lee(Yonsei University Department of Urban Planning and Engineering / Professor)
15:27~15:37	Q&A	
15:37	A Closing Remark	Host

Digital Transformation of Cities and the Next Smart Cities

Infrastructure &
Buildings

Date Aug. 31 (Wed.), 14:00 – 16:00

Venue

Stage B in Hall 3&4&5, Exhibition Center 1


Host Korea Land & Housing Corporation, Korea Planning Association

General Information |

Digital Transformation of Cities and the Next Smart Cities

Enhance the competitiveness of cities and create a sustainable smart city through discussions on digital innovation and the next smart city

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
14:00 - 14:10	Emcee	Announcer
	Opening remarks	Gyeong-cheol Shin (Head of Land & Housing Corporation, National Land & Urban Development Division)
	Congratulatory Message	Mr. Võ Tấn Đức (Dong Nai People's Committee, Vice Chairman)
14:10 - 14:30	(Presentation 1) Predictive City Twins for interactive and integral urban planning	Jeroen Borst (Cluster Manager, TNO)
14:30 - 14:50	(Presentation 2) Creating Future Cities - The role of big data, machine learning and digital planning tools	Christopher Pettit (University of New South Wales Professor)
14:50 - 15:10	(Presentation 3) Digital twin for carbon-neutral city planning	Jae-Seung Lee (Seoul National University, Professor)
15:10 - 15:50	Panel discussion	(Session Chairman) Kab-sung Kim (Korea Planning Association, Vice President) (Discussion) - Sang-Woo Lee (Korea Land & Housing Corporation) - Hee-Chung Lee (University of Seoul Professor) - Yun-mi Park (Ewha Womans University Professor)
15:50 - 16:00	Closing	Announcer

Global Smart City Leadership Forum 2022 (GSCL 2022)

Infrastructure &
Buildings

Date	Aug. 31 (Wed.), 14:00 – 16:30	Venue	Stage A in Hall 3&4&5, Exhibition Center 1
Host	Seoul National University Global R&DB Center, Seoul National University Innovative Human Resource Development Education and Research Group for Smart City Global Convergence		

General Information |

Great Global Convergence between Digital Twin and Metaverse for Sustainable Smart City

GSCL 2022 aims to suggest ways to strengthen and upgrade leadership networks in the field of smart cities in both domestic and international areas. In this Forum, solving urban problems from the perspective of urban infrastructure will be discussed by introducing international cooperation and pan-government support cases related to urban administration, commercialization, and start-up using digital twin and metaverse technologies. GSCL 2022 will be a global platform to present new smart city leadership through the multilateral cooperation from a global perspective.

Program |

 Simultaneous Interpretation  Live Streaming

TIME	CONTENT	SPEAKER
14:00~14:02	Opening	Ms. Minsoo Chung (Manager, Seoul National University Global R&DB Center)
14:02~14:05	Welcoming Remarks	Prof. Junseok Hwang (Director, Seoul National University Innovative Human Resource Development Education and Research Group for Smart City Global Convergence)
14:05~14:10	Congratulatory Remarks I	Mr. Jason Allford (Special Representative, World Bank Group Korea Office)
14:10~14:15	Congratulatory Remarks II	Mr. Mun, Seong-Yo (Deputy Minister for Territorial and Urban Development, Ministry of Land, Infrastructure and Transport of the Republic of Korea)
14:15~14:20	Congratulatory Remarks III	Mr. Darren Soto (Congressman, U.S. House of Representatives, 9th Congressional District of Florida)
14:20~14:40	Keynote Speech	Mr. Don Fisher (County Manager, Osceola County, Florida)

SESSION I

INTERVIEW: Smart City Global Convergence through GSCL 2030

14:40~14:45	<p>[INTERVIEWER]</p> <ul style="list-style-type: none"> - Prof. Junseok Hwang (Director, Seoul National University Innovative Human Resource Development Education and Research Group for Smart City Global Convergence) <p>[INTERVIEWEES]</p> <ul style="list-style-type: none"> - Mr. Vijay Jagannathan (Secretary General, CityNet) - Dr. Jong-Sung Hwang (Lead Researcher, National Information Society Agency (NIA)) - Dr. Peter Chang (Program Manager of Strategic Partnership, A*STAR Institute of Microelectronics (IME)) - Mr. David Brogeras Julian (Head of Digital Transformation, IDB Invest)
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TIME	CONTENT	SPEAKER
SESSION II		
Panel Discussion: NeoCity with Innovation Center, Digital Twin, and Metaverse		
15:30~15:35	Introduction	(Moderator) Dr. Donald Basile (Chairman and Co-CEO, Roman DBDR)
15:35~15:50	Presentation	Prof. Junseok Hwang (Director, Seoul National University Innovative Human Resource Development Education and Research Group for Smart City Global Convergence)
15:50~16:20	Panel Discussion	- Ms. Jessica J. Kim, JD (Chief Legal Officer, NeoCity Links) - Mr. Ron Mattson(Smart, Connected & Sustainable Communities Lead, Honeywell) - Prof. Yong Kyu Yoon (Professor, University of Florida)
16:20~16:30	Closing Remarks	Prof. Junseok Hwang (Director, Seoul National University Innovative Human Resource Development Education and Research Group for Smart City Global Convergence)

Korea-Taiwan Joint Smart City Standards Conference

Policy &
Global Cooperation

Date Aug. 31 (Wed.), 14:00 – 17:30

Venue Room 210, 2nd floor of Exhibition 1


Host Telecommunications Technology Association(TTA), Korea Institute of Civil Engineering and Building Technology(KICT), Korea Enterprise Institute(KEI)

General Information |

International Cooperation for the Development of Smart City Standardization

Sharing information on smart city policies, standardization, and Best practices in Korea and Taiwan, and discussing ways to build up smart cities sustainably.

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
14:00	Opening and Event Information	
Session 1. Smart City Government Policies		
14:10~14:30	Taiwan's Smart City Policies and Vision	Sam Shen (Taipei Computer Association, Regional Head of Asia)
14:30~14:50	Korea's Smart City Policies and Vision	Jin-a Park (Korea Agency for Infrastructure Technology Advancement, Program Director)
14:50~15:10	Standardization Strategy for Smart City	Seong-sig Kim (Korea Institute of Civil Engineering and Building Technology, Researcher Fellow)
15:10~15:20	Q&A	
15:20~15:30	Coffee Break	
Session 2. Best Practice (Open Standard Interoperable Smart City)		
15:30~15:50	Best Practices for Smart City Taiwan	Chen Sung-Yueh (Chunghwa Telecom International Business Group, Global Business Development Manager)
15:50~16:05	Smart City Index Development	Jung-hoon Lee (Yonsei University, Professor)
16:05~16:20	Smart Mobility-Energy Standardization	Su-sie Kim (Intelligent Transport Society of Korea, Executive Director)
16:20~16:35	Smart City Energy-Building Standardization	Jee-sik Park (Korea Smart Energy Association, Chairman)
16:35~16:50	Smart City Spatial Data Standardization	Sang-ki Hong (Anyang University, Professor)
16:50~17:05	Smart City Data Hub Standardization	Seong-yun Kim (Korea Electronics Technology Institute, Senior Researcher)
17:05~17:20	Smart City ICT Infrastructure	Chang-hui Kwon (The Korean Society of Smart City, President)
17:20~17:30	Closing	

Smart City Human Resource Conference(KAIA)

Policy &
Global Cooperation

Date Aug. 31 (Wed.), 14:00 – 17:00

Venue Room 211, 2nd floor of Exhibition 1

Host Ministry of Land, Infrastructure and Transport(MOLIT)

Organizer Sungkyunkwan University, Yonsei University,
Korea Advanced Institute of Science and
Technology

General Information |

The 3rd Smart City Human Resource Conference

Presenting major performances of the Innovative Talent Education Program and Smart City project cases and discussing the future development plan of the Innovative Talent Education Program for Smart City by 6 universities (Pusan National University, Seoul National University, University of Seoul, Sungkyunkwan University, Yonsei University, Korea Advanced Institute of Science and Technology) that are participating in the Innovative Talent Education Program for Smart City of Korea Ministry of Land, Infrastructure, and Transport (MOLIT)

Program |

TIME	CONTENT	SPEAKER
14:00~14:05	Opening address	Yoon Dong Keun (Yonsei University, Professor)
14:05~14:10	Congratulatory address	Kim Jonghak (KAIA, Vice-president)
14:10~14:40	The trends and industrial prospects of smart city with a focus on the plan of National Pilot Smart City project in Korea	Jang Wonseok (LG CNS, Pricipal Strategic Planner)
14:40~15:10	Overseas Urban Development and Digital Construction Project Management	Park Sanghyuk (HanmiGlobal, Director of Digital Transformation Office)
15:10~15:40	A Case Study of Start-up Using Smart City Technology R&D	Choi Eunhong (Sungkyunkwan University, Ph.D candidate)
15:40~15:50	Break time	
15:50~16:50	The Innovative Talent Education Program for Smart City -discussing the future development plan-	<ul style="list-style-type: none"> - Gu Hanmin (Yonsei University, Ph.D. Candidate) - Cho MinGeon (Sungkyunkwan University, Ph.D. Candidate) - Park Dawon (KAIST, Ph.D. Candidate) - Kim Yegeun (Seoul National University, Ph.D. Candidate) - Jung Jaehoon (University of Seoul, Ph.D. Candidate) - Park Jiyong (Pusan National Univeristy, Ph.D. Candidate) - Jang Wonseok (LG CNS, Pricipal Strategic Planner) - Park Sanghyuk (HanmiGlobal, Director of Digital Transformation Office)
16:50~16:55	Closing address	Kwak Hyo-Gyoung (KAIST, Professor)

23rd Waterfront Forum

Governance &
Citizen Engagement

Date Sept. 1 (Thur.), 10:00 – 12:00

Venue Stage B, Hall 3&4&5, Exhibition Center 1

Host K-water

General Information |

Spread Strategy and Experience of Living Lab in Busan Eco Delta Smart Village

Sharing the experience and discussing the way to bring direction for success of Busan Eco Delta Smart Village where residents test smart technology and live in

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
10:00~10:05	Opening	
10:05~10:10	Opening Remarks	Jeong-Ho Ahn (K-water, CMO of Green Infrastructure Management Division)
10:10~11:30	(Presentation 1) Overview and Smart Technology of Busan Eco Delta Smart Village	Do-Kyun Kim (K-water, General Manager of Smart City Operations Team)
	(Presentation 2) Living Lab Operation Plan of Busan Eco Delta Smart Village	Jeong-Hoon Lee (Yonsei University, Professor)
	(Presentation 3) Cases of Living Lab Operation in Barcelona, Spain	Isabella Longo (Barcelona City Council, Project Director)
	(Presentation 4) Cases of Living Lab Operation in Kalasatama, Finland	Kerkko Vanhanen (Smart City Development in Forum Virium Helsinki, Programme Director)
11:30~11:35	Break	
11:35~12:00	Discussion	Moderator Kwang-Woo Nam (Keungshung University, Professor) Panel - Seo-Ki Lee (Smart Village, Resident) - Hee-Dae Kim (Deagu Technopark, Director General of Digital Transformation Agency) - Chu-Hyoung Oh (K-water, Head of Centre for Futureproof City)
-	Closing & Photoshot	

2022 Smart Housing Platform Conference

Infrastructure &
Buildings


Date	Sept. 1 (Thur.), 10:00 – 12:00	Venue	Stage C in Hall 3&4&5, Exhibition Center 1
Host	Institute of Smart City & Architecture	Organizer	Korean National Committee for UN-HABITAT

General Information |

Trends and Development of Smart Housing Platforms in Korea and abroad

Introduce the archetype 'Smart Housing Platform' of the digital manufacturing concept that contributes to the realization of sustainability, cutting-edge smartization, and eco-friendliness of housing paradigm in response to digital transformation and climate change, which are challenges of the times, and discuss how to create a favorable environment for 'Smart Housing Platform' considering the trends of relevant industries and institutional conditions

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
10:00~10:03	Opening speech	Han Manhee (Institute Smart City & Architecture, Honorary President)
10:03~10:07	Congratulatory address 1	Choi Kirok (The Korean Committee for UN-HABITAT, President)
10:07~10:10	Congratulatory address 2	Shin Kyungchoul (Smart City Association, President)
10:10~10:30	(Keynote Speech) Housing Innovation with Digital Transformation	Kim Donyun (SungKyunKwan University, Professor & Smart City & Architecture, President)
10:30~10:50	(Presenter 1) Sustainable Development Goals and Smart Housing Platform	Lee Narae (The Korean Committee for UN-HABITAT, Director)
10:50~11:10	(Presenter 2) Korean market trend of Smart Housing Platform	Ko Gwangho (POSCO Construction Steel Materials Marketing Office INNOVILT Planning Group, Leader)
11:10~11:40	(Discussion) The Development of Smart Housing Platform in Korea	(Session Chairman) Inhee Kim (The Seoul Institute, The director of the headquarters) (Panelist) - Lee Bumhyun(Sungkyul University, Professor) - Seongwoo Nam (Architecture & Urban Research Institute, Associate Research Fellow) - Choi Sanghee (Land and Housing Institute, Senior Research Fellow) - Shon Jiwoo (SK Securities Co.,Ltd. Head of a department) - Kim Younghoon (Heerim Architects & Planners, Executive Vice President)
11:40~12:00	Q&A	

International Conference for Innovation and Transformation of Eco-friendly Smart City

Environment &
Energy

Date	Sept. 1 (Thur.), 13:30 – 16:00	Venue	Stage B in Hall 3&4&5, Exhibition Center 1
Host	Korea Land & Housing Corporation	Organizer	Land and Housing Institute, Embassy of the Kingdom of the Netherlands

General Information |

Innovation and Transformation of Smart City in a Carbon Neutral Era

- It presents the direction of urban planning in the carbon-neutral era, which is viewed as accelerating ESG management.
- It presents a global carbon neutral policy direction and cooperation plan for sustainable innovation and transformation.

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
13:30~13:35	Emcee	Announcer
13:35~13:39	Opening remarks	Hongbae Kim (Korea Land & Housing Corporation Land & Housing Institute, Head)
13:39~13:43	Congratulatory Message	(Deputy Ambassador, Eva Witteman)
13:43~13:45	commemorative photo	-
13:45~14:05	(Presentation 1) The Direction of Urban Planning for the Realization of Carbon Neutrality	Eunyeob Lee (Korea Land & Housing Corporation Land & Housing Institute, Director)
14:05~14:25	(Presentation 2) The Netherlands' Carbon-neutral City Policy	Regina Oosting (The Ministry of the Interior and Kingdom Relations)
14:25~14:45	(Presentation 3) -	Myoungju Lee (Myongji University Department of Architecture, Professor)
14:45~15:05	(Presentation 4) Case of Utrecht City's Carbon neutrality Policy	Erlin Mulder (Municipality of Utrecht)
15:05~15:10	Break	
15:10~15:50	Panel discussion	(Moderator) Jeongjoong Yoon (Korea Land & Housing Corporation Land & Housing Institute, Director) (Panel) - Jaemin Song (Seoul National University Graduate School of Environmental Studies, Professor) - Gunwon Lee (Hoseo University Department of Architecture, Professor) - Jeroen Borst (TNO, Cluster Manager)
15:50~	Closing	Announcer

UAM Team KOREA SMARTCITY WG Conference

Data&
Digital Technology

Date	Sept. 1 (Thur.), 14:30 – 16:30	Venue	Stage C in Hall 3&4&5, Exhibition Center 1
Host	Korea Land & Housing Corporation	Organizer	KIAST

General Information |

UAM & SMARTCITY

Introduce various research and business trends of companies, governments, and academia on future mobility such as UAM and Autonomous cars, Vertiport, and discuss future smart city development strategies
(The 4th Monthly Meeting of UAM Team KOREA SMARTCITY WG)

TIME	CONTENT	SPEAKER
14:30 ~ 14:35	Opening	
14:35 ~ 14:40	Opening Speech	Sangwoo Lee (KOREA LAND & HOUSING CORPORATION, LH, Smart City Development Office, Director)
14:40 ~ 15:00	(Presentation 1) Linking UAM vertiport with Ground Mobility	Aiden Lew (Lotte Data Communication Company, Principal)
15:00 ~ 15:20	(Presentation 2) Smart city solution in connection with mobility services	Sehee Choi (Hyundai Motor Group, Manager)
15:20 ~ 15:40	(Presentation 3) UAM : Innovative Mobility Experience within Smart City	Heetae Park (Kakaomobility, Assistant Manager)
15:40 ~ 16:00	(Presentation 4) Data & AI Driven UAM Services	Yongdoo Lee (SK Telecom, Manager)
16:00 ~ 16:03	Break	
16:03 ~ 16:28	Discussion	(Host) Youngin Kim (KOREA LAND & HOUSING CORPORATION, LH, Manager)
16:28 ~ 16:30	Closing	

Big Data-based Urban Planning for Advanced Smart Cities

Infrastructure &
Buildings

Date Sept. 1 (Wed.), 14:30 – 16:30

Venue Room 212+213, 2nd floor of Exhibition 1

Host Korea Planning Association

Organizer Korea Planning Association

General Information |

Big Data-based Urban Planning for Advanced Smart Cities

Share the latest big data-based urban planning cases and issues and provide prominent directions on smart cities for advanced smart cities based on the existing fundamental discussions around smart cities

Program |

TIME	CONTENT	SPEAKER
14:30~14:40	Introduction	Chanho Kim (Korea Planning Association, President)
14:40~15:25	(Presentation 1) Use of Artificial Intelligence and Image Big Data in Streetscape Assessment	Jaewoong Won (Kyung Hee University, Professor)
	(Presentation 2) Spatial Big Data Analysis based on Public Data	Changyeon Lee (Jeonbuk National University, Professor)
	(Presentation 3) Establishment of an Artificial Intelligence(AI) based community planning support system	Junyoung Choi (Seoul Institute of Technology, Research Fellow)
15:25~16:10	Panel Discussion	(Moderator) Bong-Moon Choi (Korea Planning Association, Vice President) (Panel) - Hyungkyoo Kim (Hongik University, Professor) - Heechul Kim (Gachon University, Professor) - Seunghyun Jung (Korea Institute of Civil Engineering and Building Technology, Senior Researcher)
16:10~16:30	Floor Discussion	

Korean hydrothermal System business status and the Netherlands ATES technology apply plans

Infrastructure &
BuildingsEnvironment &
Energy

Date Sept. 2 (Fri.), 10:00 – 12:00

Venue

Stage B in Hall 3&4&5, Exhibition Center 1

Host Embassy of the Kingdom of the Netherlands

Organizer


KHARN Media Group

General Information |

Korean hydrothermal System business status and the Netherlands ATES technology apply plans

In order to realize ZEB, it is essential to diversity of new and renewable energy sources and to improve efficiency through direct use of thermal energy. So the geothermal and hydrothermal system industry is rapidly growing in Korea. We seek the domestic applicability of the Netherlands' advanced ATES hydrothermal system solution.

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
10:00~10:05	Opening Address	Joanne Doornewaard(Dutch Embassy in Korea, Ambassador)
10:05~10:20	Zero Energy Building (ZEB) Policy & Certification System	Yoongyu Seo (Korea Energy Agency, Ph.D.)
10:20~10:30	Policy on housing and decarbonization in the Netherlands	Regina Oosting,(The Ministry of the Interior and Kingdom Relations, Department of Spatial Planning and Living Environment)
10:30~10:45	Case study of water source heat pump systems for district cooling and heating in South Korea	Minhwi Kim (Korea Institute of Energy Research, Senior Researcher)
10:45~11:00	ATES potential of South Korea in terms of geology and hydrology	Byungwan Shim (Korea Institute of Geoscience and Mineral Resources, Senior Researcher)
11:00~11:15	Geothermal system & ATES in South Korea	Yosoo Lee (Shinsung Engineering, Senior Researcher)
11:15~11:30	South Korean ZEB + Aquathermal + ATES mission	Bas Godschalk((IF Technology, International Business Manager)
11:30~11:45	Energy Transition in the Built Environment	Saleh Mohammadi (Witteveen + bos, Senior Consultant)
11:45~12:00	Q&A	

Korea – World Bank Group Smart City Conference

Policy &
Global Cooperation

Date Sept. 2 (Fri.), 10:00 – 12:45 / 14:00 – 17:15 **Venue** Stage C in Hall 3&4&5, Exhibition Center 1

Host Ministry of Land, Infrastructure and Transport(MOLIT), World Bank Group

General Information |

Smart City Development Experience and Knowledge Exchange between the Korean government and World Bank Group

The Ministry of Land, Infrastructure and Transport (MOLIT), Korea, and the World Bank Group (WBG) is co-hosting a conference on global smart city development experience and partnership. The conference introduces a range of smart city initiatives by the Korean government and World Bank Group to identify common areas of interest and opportunities for deeper collaboration. The conference will discuss how Korea and the World Bank Group can grow partnership on smart cities for better future. It will also discuss how Korean experts and companies can participate in, and contribute to, smart city projects in developing countries more effectively.

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
10:00~10:05	Opening	(Moderator) Dahee Yoon (MOLIT)
10:05~10:10	Opening Remarks	Byungwoo Gil (MOLIT of the Republic of Korea, Director General)
10:05~10:15	Congratulatory Remarks	Jason Allford (World Bank Group Korea Office, Special Representative)
Session 1. Korea's Overseas Smart City Development Experiences		(Moderator) Dahee Yoon
10:15~10:30	(Session 1-1) KRIHS's Global Consulting for Smart Cities and its implications	Sangkeon Lee (Korea Research Institute for Human Settlements (KRIHS), Director of Global Development Partnership Center)
10:30~10:45	(Session 1-2) LH's Global Partnership: Overview and Case studies	Beckhee Cho (Korea Land and Housing Corporation (LH), Head of Global Cooperation Center)
10:45~11:00	(Session 1-3) LX's Digital Twin Platform and Services	Hwanyoung Jang (Korea Land Geospatial Informatix Corporation (LX), Manager)
11:00~11:15	(Session 1-4) KIND's Partnership Strategy: Engagement with the Private Sector	Youngtak Hong (Korea Overseas Infrastructure and Urban Development Corporation (KIND), Director for Building & Housing Project Development)
11:15~11:30	Q&A	
11:30~11:45	Coffee Break	
Session 2. Opportunities to Grow Smart City Partnership		(Moderator) Sangkeon Lee (KRIHS, Head of GDPC, Senior Research Fellow)
11:45~12:45	Panel discussion: What are overseas demands and how can we strengthen the global network for better future?	<ul style="list-style-type: none"> - Kwangho Shin (MOLIT, Director of Urban Economy Division) - Maitreyi Das (World Bank, Global Practice for Urban, Disaster Risk Management, Resilience and Land (GPURL), Manager) - Shipra Narang Suri (UN-Habitat, Global Solution Division, Chief of Urban Practices Branch)
12:45~14:00	Lunch Break	

TIME	CONTENT	SPEAKER
Session 3. Korea-World Bank Smart City Partnership Achievements		(Moderator) Maitreyi Das(World Bank, GPURL, Manager)
14:00~15:00	Global Smart City Partnership Program (GSCP): Overview	Narae Choi (World Bank, Senior Urban Specialist/GSCP lead)
	GSCP Case Studies	
	Using a Digital Twin and 3D Cadaster for Smart Land and Infrastructure Management in Jakarta	Dong Kyu Kwak (World Bank, Senior Land Administration Specialist)
	Strengthening Bangladesh's Digital Infrastructure and Capacity to Build Back Better after the Pandemic	Isaac Kim (NICON Company, Director/GSCP expert)
	Smart City Conceptualization for Egypt's New Urban Community Development	Mohamed Nada (World Bank, Senior Urban Specialist, TBD)
	International Finance Corporation (IFC) Smart Cities and Upstream	Jiyeon Janice Ryu (IFC Korea Office, Resident Representative)
	Q&A	
15:00-15:15	Coffee Break	
Session 4. Korea Office's Green, Smart, Innovative Development Programs		(Moderator) Gyongshim An (World Bank, Senior Urban Development Specialist)
15:15~16:10	Smart Cities and Urban and Land Development Programs	Stamatis Kotouzas (World Bank, Senior Land Administration Specialist)
	Leveraging Emerging Technology for Smart Cities	Jinhee Park (World Bank, IT Officer)
	Digital Development and Smart Cities	Zaki B. Khoury (World Bank, Senior Digital Development Specialist)
	World Bank Open Learning Campus	Jisun Kim (World Bank, Senior Program Coordinator)
	Q&A	
Session 5. Opportunities to Grow Smart City Partnership (2)		(Moderator) Narae Choi(World Bank, Senior Urban Development Specialist)
16:10~17:10	Panel Discussion with GSCP Experts: Opportunities and Challenges of Working in the Global Smart City Market	<ul style="list-style-type: none"> - Isaac Kim (NICON Company, Director/GSCP expert) - Myoung Gu Kang (University of Seoul, Professor) - Chan Park (Aon Inc., CEO) - Kyungchul Ko (KITC, Managing Director)
17:10~17:15	Closing Remarks	Kwangho Shin (MOLIT, Director of Urban Economy Division)

K-City Network Program Seminar

Policy &
Global Cooperation

Date Sept. 2 (Fri.), 13:00 – 15:30

Venue

Stage A in Hall 3&4&5, Exhibition Center 1

General Information |

Introduction of K-City Network Program cases

The seminar introduce K-City Network Program and the implemented project cases for Smart City Plan and Solutions.

Program |

 Simultaneous Interpretation

TIME	CONTENT	SPEAKER
13:00~13:05	Introduction of Seminar	(Moderator)Ms. Seunga Ye
13:05~13:10	(Congratulations) MOLIT Greetings	Mr. Byung-woo Gil (Director General, Director General for Urban Policy, MOLIT)
13:10~13:15	(Congratulations) KIND Greetings	Mr. Gichul Jeong (Executive Vice President, KIND)
13:15~13:30	(Presentation 1) Introduction of K-City Network Program and the progress of K-City	Ms. Alicia H.J Lee (Head of Urban Policy Adisitory Team, KIND)
13:30~13:50	(Presentation 2) (KIND) K-City Network Performance * Uzbekistan Tashkent, Kenya Nairobi	Mr. Ryan Gwangbok Lee (Head of Policy Advisory & Consulting Dept, KIND)
13:50~14:10	(Presentation 3) (KIND) K-City Network Project Cases * Philippine Clark/Indonesia Public officials housing	Mr. Yoonyoung Kim (Director of East Asia Project Dept, Global Business Office, LH)
14:10~14:20	(Presentation 4) (KAIA) K-City Network Solution Program Performance * Bolivia Santa Cruz / Waste Resourceization	Mr. Jeon Dongwook (Vice-president of Cheil Engineering)
14:20~14:30	Recess	
14:30~15:10	(Presentation 5) (KAIA) K-City Network Solution Demonstration Cases * Turkish Gaziantep / Urban Integration Platform ** Baltimore, USA / Smart Garbage Collection *** Inni Madiun / Smart Streetlight **** Pending....	- Mr. Jonghwa Kim(Cloud Construction Implementation Group of Samsung SDS) - Mr. Hanseong Kim(Management of ECUBE LABS) - Mr. Youngho Baik(Chief Consultant of ECOLANT) - Mr. Yongjoo Jeon (CEO of Dtonic)
15:10~15:20	Q&A	(Moderator)Ms. Seunga Ye
15:20~	Final	

Blockchain in Smart City

Data&
Digital Technology

Date Sept. 2 (Fri.), 13:00 – 15:00

Venue

Stage B in Hall 3&4&5, Exhibition Center 1

Host Smart City Blockchain Forum

General Information |

Blockchain Technology in Smart City

1. Certification of blockchain technology applied to smart cities

Currently, smart cities are being built through various technologies and services such as mobility, AI, and digital media, and the need to operate them and maintain security more effectively is emerging, and blockchain is in the spotlight as a technology for efficient urban operation. The need for certification is emerging to establish a standard reference point for blockchain applied to smart cities, which is not yet clearly defined, and we would like to discuss the standards and processes for certification through this conference

2. Understanding the fintech/propTech industry

Discuss the general definition and future development direction of fintech and propTech, one of the major functions of smart city, and present a new paradigm of finance and real estate industry in new smart city combining these technologies.

Program |

TIME	CONTENT	SPEAKER
13:00~13:05	Opening Ceremony (Opening Address)	Hwang, Sung Gyu (Chairmen of SBF)
13:05~13:25	Certification of blockchain technology applied to smart cities	Yoon, Seok Bin (Professor, Sogang University)
13:25~13:45	Understanding the Small Amount of Investment Market Based on Blockchain	Cho, Chan sik (CEO of Funble)
13:45~13:55	Break Time	
13:55~14:40	Debate	
14:40~15:00	Q&A	