Program at a Glance

Thursday, June 16			
Room	Time (09:30–10:50)	Organization	Title
Event Hall A (이벤트홀A)	A-1	Korea Automobile Testing & Research Institute (한국교통안전공단 자동차안전연구원)	A Study on the Safety Evaluation Technology and Establishment of Testbed Environment for Lv.4/4+ Automated Vehicles (Lv.4/4+자율주행차 안전성 평가기술 연구 및 테스트베드 구축)
Yeongju Hall A (영주홀A)	A-2	KOROAD (도로교통공단 첨단교통연구처)	Development of Traffic Congestion Management System for Urban Networks (네트워크 제어를 위한 교통정체 및 혼잡 운영관리 기술개발)
Yeongju Hall B (영주홀B)	A-3	KOTI (한국교통연구원)	Development of Smart Mobility and Shared Parking Technologies (스마트 모빌리티 및 주차공유지원 기술개발)
Baekrok Hall A (백록홀A)	A-4	KRIHS (국토연구원)	Introduction of support projects to establish ITS–based sustainable transportation systems in developing countries and future direction of digital road (개발도상국의 ITS 기반 지속가능한 교통체계 구축 지원 사례와 미래 디지털 도로교통 발전방향)
Baekrok Hall B (백록홀B)	A-5	ITS Korea (한국지능형교통체계협회)	Development of integrated road traffic control system and operation technology when autonomous driving is mixed with normal vehicles (자율주행 혼재 시 도로교통 통합관제시스템 및 운영기술 개발)
Small meeting rooms 201A (소회의실201A)	A-6	KIAPI (지능형자동차부품진흥원)	Development of on–site control technology for road traffic network control in the event of an incident or disaster (돌발상황 및 재난 발생 시 도로교통 네트워크 통제를 위한 현장제어 기술)
Small meeting rooms 201B (소회의실201B)	A-7	Korea Transport Institute (한국교통연구원)	Development Plan for Vitalization of Mobility Big Data Ecosystem (모빌리티 빅데이터 생태계 활성화를 위한 발전 방안)
Small meeting rooms 202A (소회의실202A)	A-8	KICT (한국건설기술연구원)	Future road design and demonstration technology development for autonomous and cooperative driving (자율협력주행을 위한 미래도로 설계 및 실증 기술 개발)
Small meeting rooms 202B (소회의실202B)	A-9	Korea expressway corporation (한국도로공사 도로교통연구원)	The future role of expressway in the autonomous driving era and implementation of metaverse environment (자율주행시대 고속도로의 미래 역할과 메타환경 구현)
Small meeting rooms 203 (소회의실203)	A-10	KOROAD (도로교통공단 첨단교통연구처)	Establishment of Real–time Traffic Signal Information Collection System and Data Opening (실시간 신호정보 수집시스템 구축 및 데이터 개방)
Coffee Break(10:50–11:00)			
Room	Time (11:00–12:20)	Organization	Title
Event Hall A (이벤트홀A)	B-1	Transportation Safety Research Institute (한국교통안전공단)	Public and Private Cooperation Plan to Revitalize Platform Mobility (플랫폼모빌리티 활성화를 위한 공공–민간 협력방안)
Yeongju Hall A (영주홀A)	B-2	KOROAD – KOTSA (도로교통공단– 한국교통안전공단)	KOROAD – KOTSA JOINT SESSION (도로교통공단–한국교통안전공단 공동세션)

Yeongju Hall B (영주홀B)	B-3	Korea Transport Institute (한국교통연구원)	Development of Automated Driving System based Car-Sharing Service Technologies (자율주행 공유차 서비스)
Baekrok Hall A (백록홀A)	B-4	Ministry of Land, Infrastructure and Transport (국토교통부)	Korea ITS 30yr! Progress made and New Challenges (대한민국 ITS 30년 그 성과와 도전)
Baekrok Hall B (백록홀B)	B-5	ITS Korea (한국지능형교통체계협회)	Development of digital road and transportation infrastructure convergence platform technology based on crowdsourcing 크라우드 소싱 기반의 디지털 도로,교통 인프라 융합 플랫폼 기술 개발
Small meeting rooms 201A (소회의실201A)	B-6	The Seoul Institute (서울연구원)	Support plan for losses from metro free ride policy in the Seoul metropolitanarea (수도권 지하철 무임승차(PSO) 지원 방안)
Small meeting rooms 201B (소회의실201B)	B-7	The Incheon Institute (인천연구원)	Exploring the Sustainability of Demand Response Transit(I-MOD) in Incheon (인천광역시 수요응답형 버스(I-MOD)의 지속가능성 모색)
Small meeting rooms 202A (소회의실202A)	B-8	KICT (한국건설기술연구원)	Rule environment and a case study for applying MaaS (MaaS도입을 위한 제도와 사례)
Small meeting rooms 202B (소회의실202B)	B-9	KOROAD (도로교통공단 자율주행연구처)	Current Status and Prospect of E-mobility Industry in Korea (국내 e-모빌리티 산업 현황 및 전망)
Small meeting rooms 203 (소회의실203)	B-10	KSA (한국표준협회)	The development trend of core standards related to autonomous vehicle R&D in Mobility service, functional safety/security, map, component and material (자율주행 R&D연계 핵심표준 개발현황)
Sorang (소랑)	Lunch Time(12:20-13:30)		

Room	Time	Thursday, June 16	
Event Hall A (이벤트홀 A)	13:30-14:10	Moderator (사회자)	· Prof. Seo, Dong-Hoan(Vice Chairman of the Organization) (한국ITS학회 서동환 학술위원장)
		Opening Speech (환영사)	· Prof. Lee, Sang Soo(President of KITS) (한국ITS학회 이상수 회장)
		Congratulatory Speech (축사)	· Mr. Lee Yoon Sang(Assistant Minister for Road, Ministry of Land, Infrastructure and Transport Korea) (국토교통부 이윤상 도로국장)
			· Mr. Lee, Joo Min(President, The Road Traffic Authority, Korea) (도로교통공단 이주민 이사장)
			· Mr. Kwon, Yong Bok(President, Korea Transportation Safety Authority) (한국교통안전공단 권용복 이사장)
			· Dr. Chin, Kian Keong (Advisor, ITS Singapore)
			· Prof. Olaverri-Monreal, Cristina (President, IEEE ITS Society)
		Commendation (국토교통부 장관표창)	· Honorary Prof. Hong, Uiseok (Kwangwoon Univ.) (광운대학교 홍의석 명예교수) · HonoraryProf. Lee, Seunghwan(AjouUniv.) (아주대학교 이승환 명예교수)

		Introduction of Promotion	Gangneung, host of ITS World Congress and Gangneung Smart City Innovation Plan (강릉 ITS 세계총회 유치 및 강릉 스마트시티 혁신방안(강릉시청))	Gangneung is small but taking big steps to be a smart city
	14:10–14:30	Plenary Session	**Mr. Shields, T. Russell** –President and CEO of RoadDB –Former CEO of Navteq(now HERE)	What Smart Cities Should Do for Autonomous Driving Systems
	14:30–14:50		**Prof. Akimasa Fujiwara** –Graduate School of Advanced Scienceand Engineering, Hiroshima University, Japan	Is CASE Socially Accepted within the Context of Local City?
	14:50–15:10		**Dr. Chin, Kian Keong** –Advisor, ITS Singapor –Chief Engineer(Road & Traffic), LTA (Land Transport Authority), Singapore	Smart Cities – Opportunities and Challenges for ITS
	15:10–15:20	Coffee Break		
	15:20–15:40	Plenary Session	**Prof. Mannering, Fred L.** –CUTR Executive Director, Civil and Environmental Engineering, Univ. of South Florida	Some Critical Data–Analytic Issues in Smart City/ITS Data Evaluation
	15:40–16:00		**Prof. WONG, S.C.** –Dept of Civil Engineering, The University of HongKong	Calibration of Stochastic Link–based Fundamental Diagram with Explicit Consideration of Speed Heterogeneity
	16:00–16:20		**Prof. Olaverri–Monreal, Cristina** –Chairholder, Intelligent Transport Systems BMK –Chairf or Sustainable Transport Logistics 4.0, Johannes Kepler Univ., Linz, Austria –President, IEEE Intelligent Transportation Systems Society	Smart Transportation through Autonomous and Connected Vehicles
	16:20–16:40		**Prof. Ka Lok Man** –School of Advanced Technology, Xi' an Jiaotong–Liverpool University, Suzhou, China –Visiting Professor, Faculty of Informatics, Vytautas Magnus University, Lithuania	Deep Learning in Video Anomaly Detection and Its Applications
	16:40–17:00		**Prof. Nipon, Theera–Umpon** –Associate Professor, Electrical Engineering, ChiangMai University, Thailand	Smart Healthcare: An Important Component of Smart City
	17:00–17:05	▶Closing remark: Hanyang Univ. Honorary Prof. Kang Kyungwoo(한양대학교 강경우 명예교수)		
	17:05–17:15	▶Discussion time		

Friday, June 17			
Room	Time (09:30−10:50)	Organization	Title
Event Hall A (이벤트홀 A)	C−1 (09:30−12:20)	(KETI) (한국전자기술연구원)	Development of 5G−NR−V2X Communication Technology and Verification for Autonomous Driving (레벨4 이상 자율주행을 위한 5G−NR−V2X 통신 기술 개발 및 실도로 성능검증 기술 개발)
Yeongju Hall A (영주홀 A)	D−1	Gyeonggi Research Institute (경기연구원)	Metropolitan Regions Public Transportation Policy Direction to Prepare for the Era of Autonomous Vehicle Operation (자율주행차 운행시대를 준비하는 수도권 대중교통정책 방향)
Yeongju Hall B (영주홀 B)	Academic Session (학술세션)	1−A	Autonomous driving(Ⅰ) (자율주행(Ⅰ))
Baekrok Hall A (백록홀 A)	Academic Session (학술세션)	1−B	ITS related policies and others(Ⅰ) (ITS정책 및 기타(Ⅰ))
Baekrok Hall B (백록홀 B)	Academic Session (학술세션)	1−C	ITS related policies and others(Ⅱ) (ITS정책 및 기타(Ⅱ))
Small meeting rooms 201A (소회의실201A)	Academic Session (학술세션)	1−D	Autonomous driving(Ⅱ) (자율주행(Ⅱ))
Small meeting rooms 201B (소회의실201B)	Academic Session (학술세션)	1−E	Traffic big data sets and Artificial intelligence(Ⅰ) (교통 빅데이터 및 AI(Ⅰ))
Small meeting rooms 202A (소회의실202A)	Academic Session (학술세션)	1−F	Emergency Management (재난 및 방재)
Small meeting rooms 202B (소회의실202B)	Academic Session (학술세션)	1−G	Electromobility (e−Mobility)
Small meeting rooms 203 (소회의실203)	Academic Session (학술세션)	1−H	Telecommunication (통신)
Coffee Break(10:50−11:00)			
Room	Time (11:00−12:20)	Organization	Title
Event Hall A (이벤트홀 A)	C−1	(KETI) (한국전자기술연구원)	Development of 5G−NR−V2X Communication Technology and Verification for Autonomous Driving (레벨4 이상 자율주행을 위한 5G−NR−V2X 통신 기술 개발 및 실도로 성능검증 기술 개발)
Yeongju Hall A (영주홀 A)	C−2	KOROAD (도로교통공단 교통운영연구처)	Development of Transportation Safety Infrastructure Technology for Lv.4 Connected Autonomous Driving (Lv.4자율주행 대응 교통안전 인프라 기술개발)
Yeongju Hall B (영주홀 B)	C−3	Seoul institute of technology (서울기술연구원)	Theme: The Direction of cooperative autonomous driving by analyzing the case of AV (자율주행 사례 분석을 통한 자율협력주행이 나아갈 방향)
Baekrok Hall A (백록홀 A)	C−4	Korea Maritime & Ocean University (한국해양대학교)	Smart delivery cell internal space optimization and proximity judgment system (스마트 택배 셀 내부 공간 최적화 및 근접상황 판단 시스템)
Baekrok HallB (백록홀 B)	C−5	ITS Korea (한국지능형교통체계협회)	Implementing LDM related technologies for the future ITS services in Korea (미래교통서비스(C−ITS & 자율주행)를 위한 LDM 기술 개발 및 적용 현황)

Room	Time	Organization	Title
Small meeting rooms 201A (소회의실201A)	C-6	KICT (한국건설기술연구원)	Traffic Management System: Value and Issues of Big Data (TrafficManagementSystem:빅데이터의 가치와 이슈)
Small meeting rooms 201B (소회의실201B)	C-7	Tmoney (티머니)	Development of Public Transportation System in the Seoul Metropolitan Area after COVID-19 (코로나19이후 수도권 대중교통시스템 발전 방향)
Small meeting rooms 202A (소회의실202A)	C-8	DAEHEUNG INFO Co., Ltd. ((주)대흥정보)	Development Direction of Ministry of Land, Infrastructure and Transport Smart Sity Service Certification Institutionalization (국토부 스마트 도시 서비스 인증 제도화 발전방향)
Small meeting rooms 202B (소회의실202B)	C-9	ETRI (한국전자통신연구원)	A Study on the Development Status and Direction of Edge-Cloud Connected Autonomous Driving Technology (엣지-클라우드 연계 커넥티드 자율주행기술의 개발현황과 방향을 고찰함)
Small meeting rooms 203 (소회의실203)	C-10	KOTI (한국교통연구원)	Road traffic digital twin development using autonomous driving Lv.4/4+ big data (도로교통 디지털 트윈 기본설계 및 혼재기 상황 시뮬레이션 방안)
Sorang (소랑)	Lunch Time(12:20-13:30)		

Friday, June 17			
Room	Time (13:30-14:50)	Organization	Title
Event Hall A (이벤트홀 A)	D-2 (13:30-16:20)	(KETI) (한국전자기술연구원)	Development of Ultra High-Speed V2X Low Latency and Safety Connection Technology (초고속 V2X 저지연 안전연결 기술 개발)
Yeongju Hall A (영주홀 A)	D-3	Undergraduate Student Special Session (학부생 특별세션)	
Yeongju Hall B (영주홀 B)	D-4	KOTI (한국교통연구원 민자도로관리지원센터)	Strategies of privated highways for SOC digitalization (SOC디지털화를 위한 민자도로 부문 추진 전략)
Baekrok Hall A (백록홀 A)	2-A	Academic Session (학술세션)	ITS related policies and others(Ⅲ) (ITS정책 및 기타(Ⅲ))
Baekrok Hall B (백록홀 B)	2-B	Academic Session (학술세션)	ITS related policies and others(Ⅳ) (ITS정책 및 기타(Ⅳ))
Small meeting rooms 201A (소회의실201A)	2-C	Academic Session (학술세션)	Autonomous driving (자율주행(Ⅲ))
Small meeting rooms 201B (소회의실201B)	2-D	Academic Session (학술세션)	Traffic big data sets and Artificial intelligence(Ⅱ) (교통 빅데이터 및 AI(Ⅱ))
Small meeting rooms 202A (소회의실202A)	2-E	Academic Session (학술세션)	Traffic big data sets and Artificial intelligence(Ⅲ) (교통 빅데이터 및 AI(Ⅲ))
Small meeting rooms 202B (소회의실202B)	2-F	Academic Session (학술세션)	Smart city(Ⅰ) (스마트 시티(Ⅰ))
Small meeting rooms 203 (소회의실203)	2-G	Academic Session (학술세션)	Smart city(Ⅱ) (스마트 시티(Ⅱ))
Coffee Break(14:50-15:00)			

Room	Time (15:00–16:20)	Organization	Title
Yeongju Hall A (영주홀 A)	3–A	International Conference Presentation(Ⅰ) (국제학술발표(Ⅰ))	
Yeongju Hall B (영주홀 B)	3–B	International Conference Presentation(Ⅱ) (국제학술발표(Ⅱ))	
Baekrok Hall A (백록홀 A)	3–C	Academic Session (학술세션)	ITS related policies and others(Ⅴ) (ITS정책 및 기타(Ⅴ))
Baekrok Hall B (백록홀 B)	3–D	Academic Session (학술세션)	ITS related policies and others(Ⅵ) (ITS정책 및 기타(Ⅵ))
Small meeting rooms 201A (소회의실201A)	3–E	Academic Session (학술세션)	Autonomous driving(Ⅳ) (자율주행(Ⅳ))
Small meeting rooms 201B (소회의실201B)	3–F	Academic Session (학술세션)	Traffic big data sets and Artificial intelligence(Ⅳ) (교통 빅데이터 및 AI(Ⅳ))
Small meeting rooms 202A (소회의실202A)	3–G	Academic Session (학술세션)	Shared transportation(Ⅰ) (공유교통(Ⅰ))
Small meeting rooms 202B (소회의실202B)	3–H	Academic Session (학술세션)	Smart city(Ⅲ) (스마트 시티(Ⅲ))
Small meeting rooms 203 (소회의실203)	3–I	Academic Session (학술세션)	Traffic big data sets and Artificial intelligence(Ⅴ) (교통 빅데이터 및 AI(Ⅴ))
Coffee Break(16:20–16:30)			

Room	Time (16:30–17:30)	Organization	Topic of the article
Yeongju Hall A (영주홀 A)	4–A	International Conference Presentation(Ⅲ) (국제학술발표(Ⅲ))	
Yeongju Hall B (영주홀 B)	4–B	International Conference Presentation(Ⅳ) (국제학술발표(Ⅳ))	
Baekrok Hall A (백록홀 A)	4–C	Academic Session (학술세션)	ITS related policies and others(Ⅶ) (ITS정책 및 기타(Ⅶ))
Baekrok Hall B (백록홀 B)	4–D	Academic Session (학술세션)	Autonomous driving(Ⅴ) (자율주행(Ⅴ))
Small meeting rooms 201A (소회의실201A)	4–E	Academic Session (학술세션)	Autonomous driving(Ⅵ) (자율주행(Ⅵ))
Small meeting rooms 201B (소회의실201B)	4–F	Academic Session (학술세션)	Traffic big data sets and Artificial intelligence(Ⅵ) (교통 빅데이터 및 AI(Ⅵ))
Small meeting rooms 202A (소회의실202A)	4–G	Academic Session (학술세션)	Shared transportation(Ⅱ) (공유교통(Ⅱ))
Small meeting rooms 202B (소회의실202B)	4–H	Academic Session (학술세션)	Cooperative intelligent transportation systems (C–ITS)
▶Discussion time(17:30–17:40)			

Saturday, June 18	
Time(9:30–10:40)	Title
A-1	Future positioning technology in Smart City (Smart City에서의 미래 측위 기술) -Under standing of positioning technology (측위 기술의 이해) -Current and future of short-range positioning technology (근거리 측위 기술의 현황과 미래) -Current and future of long-range positioning technology (장거리 측위 기술의 현황과 미래)
Break Time(10:40–10:50)	
Time(10:50–12:00)	Title
A-2	Under standing of artificial intelligence network based on positioning technology (측위 기술 기반 인공지능 네트워크의 이해) -Understanding artificial intelligence technology (인공지능 기술의 이해) -Image-based network design and processing technology (영상 기반 네트워크 설계 및 처리 기술) -Sensor data-based network design and processing technology (센서 데이터기반 네트워크 설계 및 처리 기술)