

The 6th International Congress of Intelligent and Connected Vehicles (CICV 2019)

Agenda

Congress Date: 2019/05/29-2019/05/31

Congress Venue: Beijing Etrong International Exhibition & Convention Center, Beijing, China

Update: 2019/05/14

1. Conference Agenda

Time		CICV 2019 Preliminary Agenda						Parallel Activity	
		Main Room	Room A	Room B	Room C	Room D	Room E		
5.29 Wednesday	08:30-11:00	Plenary Session & Opening Ceremony # Keynote Speeches: ICV Industrialization Challenges and Practices	/						Exhibition *
	11:00-12:15	High-Level Panel Discussion: Automated Driving Commercialization Approach in China #							
	13:30-15:30	S1: FISITA Intelligent Safety Conference China #	S2: Environmental Perception and Information Fusion #	P1: ICV Industry Roadshow *	S4: Practice and Application of ICV Technology in Commercial Vehicle #	S5: HMI Design for Driving Experience #	S6: Automated Driving Map and High Precision Positioning #		
	16:00-18:00		S3: Intelligent Decision Making and Collaborative Control #						
5.30 Thursday	08:45-12:00	Plenary Session # Keynote Speeches: ICV Key Technology and Cross-industry Integrity	S8: The 2nd Automotive Radar Forum #	/			S10: Automated Driving Simulation System Development, Testing and Evaluation #	Test Drive	
	13:30-15:30	S7: AI Algorithm and Chips #							P2: Innovation Results Announcement *
	16:00-18:00								
5.31 Friday	AM	/	P4: ICV Talent Research Forum	/	/	S11: V2X and Cooperative Automated Driving #	S12: Cyber Security #	Exhibition *	

Note:

1. Sessions marked with '#' will provide Chinese-English simultaneous translation.
2. Sessions marked with '*' are free of charge.

May 29 (Wednesday) Conference Agenda

<p>May 29 Wednesday</p>	<p>K1: Plenary Session & Opening Ceremony Keynote Speeches: ICV Industrialization Practice and Challenges Chairperson: Mr. Zhang Jinhua, Executive Vice President & Secretary General of China SAE</p>				
<p>08:30-08:35</p>	<p>Opening Address - Mr. Zhang Jinhua, Executive Vice President & Secretary General of China SAE</p>				
<p>08:35-08:40</p>	<p>Address - Beijing Economic-Technological Development Area</p>				
<p>08:40-08:55</p>	<p>Address - Prof. Huai Jinpeng, Secretary of the Leading Party Members' Group, Executive Vice President, Chief Executive Secretary of CAST; Academician of CAS</p>				
<p>08:55-09:20</p>	<p>Topic TBD - Prof. Li Keqiang, Professor of Tsinghua University, Chief Scientist of CICV, Chairperson of CAICV Committee of Experts</p>				
<p>09:20-09:45</p>	<p>ICV Technology Progress and Approaches (Topic TBD) - Mr. Xu Heyi, President of BAIC Group</p>				
<p>09:45-10:10</p>	<p>Autonomous Driving: Ensuring Safety - Dr. Helge Neuner, Head of Group Research Automated Driving, Volkswagen AG</p>				
<p>10:10-10:35</p>	<p>Toyota's Automated Driving Technology Development - Mr. Ken Koibuchi, Field General Manager of Toyota Motor Corporation, Director and CTO of TRI-AD.</p>				
<p>10:35-11:00</p>	<p>Autonomous Vehicles in California - Ms. Jean Shiomoto, Retired, Director of California Department of Motor Vehicles</p>				
<p>11:00-12:15</p>	<p>High-Level Panel Discussion: Automated Driving Commercialization Approach in China Chairperson: Prof. Li Keqiang, Professor of Tsinghua University, Chief Scientist of CICV, Chairperson of CAICV Committee of Experts Panelists:</p> <ul style="list-style-type: none"> ● Mr. Ken Koibuchi, Field General Manager of Toyota Motor Corporation, Director and CTO of TRI-AD ● Ms. Jean Shiomoto, Retired, Director of California Department of Motor Vehicles ● Mr. Zhou Jianguang, Dongfeng Motor ● Dr. Helge Neuner, Head of Group Research Automated Driving, Volkswagen AG ● Dr. Chen Liming, President, Chassis Systems Control China, Bosch ● Prof. Ran Bin, Vilas Distinguished Achievement Professor, Director of ITS Plan, University of Wisconsin-Madison, Southeast University ● Mr. Zhong Xuedan, VP of Tencent Auto Intelligence ● Dr. Wan Lei, Huawei Fellow 				
<p>May 29</p>	<p>S1: FISITA Intelligent Safety Conference</p>	<p>S2: Environmental</p>	<p>S4: Key Technologies and</p>	<p>S5: The Next Generation HMI</p>	<p>S6: Automated Driving Map and</p>

Wednesday	China-1	Perception and Information Fusion Chairperson: Shengbo Eben Li, School of Vehicle and Mobility, Tsinghua University	Commercialization of Commercial Vehicle Intelligence and Connectivity-1 Chairperson: Dr. Jiang Xuefeng, VP of Dongfeng Commercial Vehicle; Board Member of CAICV	for Intelligent Vehicles-1 Chairperson: Prof. Chen Fang, Chalmers University of Technology Co-chairperson: Prof. Sun Xiaohua, Tongji University	High Precision Positioning-1 Chairperson: Prof. Yang Diange, Director of School of Vehicle and Mobility, Tsinghua University
13:30-13:55	13:30-13:40 Welcome and Address: Chris Mason, FISITA CEO 13:40-14:35 Session One Topic: Standards and Regulations for Automotive Intelligent Safety Moderator: Nadine Leclair & Frank Zhao Speakers: -Mr. Miquel Nadal, Secretary to the High Level Panel, Road Safety 2030 (FIA) (20 mins) (Invited)	Automatic labelling Technology and Service for Large Data of Traffic Environment -Sun Hui, Director, AI Lab, Suzhou Automobile Research Institute of Tsinghua University	Address: Commercial vehicle intelligent connected industry landing- The road from automobile manufacturers to service providers -Dr. Jiang Xuefeng, VP of Dongfeng Commercial Vehicle; Board Member of CAICV	AI and UX: the new challenges to the future vehicle interaction design -Prof. Chen Fang, Chalmers University of Technology	Introduction to the Latest work of CAICV HD MAP WG - Prof. Yang Diange, Director of School of Vehicle and Mobility, Tsinghua University
14:00-14:25	-Mr. Zhao Wang, Chief Engineer, Auto Standardization Research Institute, China Automotive Technology & Research Center (20 mins) -Joint Q&A (3 mins)	-Wang Jijia, Senior Manager, Bosch Automotive Products (Suzhou)	GRVA's activities on ICVs -Mr. Francois GUICHARD, (Technical) Secretary of the Working Party on GRVA, United Nations (Economic Commission for Europe)	Towards Shared Control: Requirements for the HMI of Automated Vehicles -Dr. Jacques Terken, Eindhoven University of Technology	Requirement for Dynamic Data for Autonomous Driving -Dr. Bernhard Morys, Senior Manager of Autonomous Driving of Mercedes-Benz R&D China, Daimler Greater China Ltd.
14:30-14:55	14:40-15:35 Session Two Topic: Safety Analysis, Test and Evaluation for Automated Driving Moderator: Nadine Leclair & Frank Zhao Speakers: -Mr. Marc Pajon, Testing and	Fusion sensing technology -Su Kuifeng, GM of Tencent Automated Driving	Vehicle Automation -Mr. Henrik Färnstrand, Vice President Volvo Group Vehicle Automation	Next Gen Human Interactive Design of Baidu Apollo Autonomous Driving -Mr. Yang Fan, Senior Engineer of Autonomous Driving Unit, Baidu	-Ms. Song Ziwei, Product Architecturer of Intelligent Driving BU, Qianxun Spatial Intelligence, Inc.
15:00-15:25	Measurement EL, Renault (20 mins) -Prof. Dr. Jian Wang, Professor, Jilin University (20 mins) -Joint Q&A (3 mins)	ADAS System Research of Autonomous Vehicle: The Benefits and Challenges for OEM	Autonomous Driving Truck and Intelligent Logistics -Dr. Tai-peng Tian, Head of Computer Vision, Inceptio	Cockpit Interaction Mode in the Age of Intelligent Vehicles -Li Li'an, Intelligent Connected Director, R&D Center	Bosch Localization Solution -Liu Yulei, Map&Loc Slogrithem Senior Engineer, Automated Driving Cognitive System, Bosch

	15:35-16:05 Coffee Break	-Guo Meng, Jaguar Land Rover Autonomous Research Simulation Group Leader	Technology	Intelligent Connected, ALWAYS	Automotive Products (Suzhou)
15:30-16:00	Coffee Break & Visit to Exhibition				
May 29 Wednesday	S1: FISITA Intelligent Safety Conference China-2	S3: Intelligent Decision Making and Collaborative Control Chairperson: Chu Wenbo, Vice President of China Intelligent and Connected Vehicles (Beijing) Research Institute Co., Ltd.	S4: Key Technologies and Commercialization of Commercial Vehicle Intelligence and Connectivity-2 Chairperson: Dr. Jiang Xuefeng, VP of Dongfeng Commercial Vehicle; Board Member of CAICV	S5: The Next Generation HMI for Intelligent Vehicles -2 Chairperson: Prof. Chen Fang, Chalmers University of Technology Co-chairperson: Prof. Sun Xiaohua, Tongji University	S6: Automated Driving Map and High Precision Positioning-2 Chairperson: Prof. Yang Diange, Head of Department of Automotive Engineering, Tsinghua University, National High-Level Personnel of Special Support Program
16:00-16:25	16:07-17:00 Session Three Topic: Safe Architecture Designing for Automated Vehicles (Software and hardware architecture) Moderator: Marc Pajon & Mike Ma Speakers: -Dr. Jan-Erik Mueller, Vice President	-Shengbo Eben Li, School of Vehicle and Mobility, Tsinghua University	Tusimple's technological progress and commercial practice of autonomous driving trucks -Dr. Wu Nan, Partner/Vice president of products, TuSimple	Prof. Sun Xiaohua, Tongji University	How to Make High Reliable Autonomous Driving Map -Mr. Wang Miao, Director of Product, Intelligent Map BU, NavInfo Co.,Ltd.
16:30-16:55	Complete Vehicle R&D China, BMW China Services Ltd. (20 mins) -Mr. Ted Huang, Chief Technology Officer & Assistant President, Jiangling Motor Co., Ltd. (20 mins) -Joint Q&A (3 mins)	ZF's solution for domain controller for AD -Mr. Qi Ping, Director, Engineering Center, ZF (China) Investment Co. Ltd.	Maps and Commerical Vehicle -Mr. Benny Huang, Director of Automobile Intelligent Business Department, China Satellite Navigation and Commuications Co., Ltd.	Valeo Innovations in Smart Cabin and Interactive HMI Systems - Gu Jianmin, CTO, Valeo China	Automated Driving Map -Ma Changjie, Senior Achitect, Baidu
17:00-17:25	Topic: TBD - Robert Hou, Vice President of Information Technology and Mobility Platforms & Products, Ford China Motor	High Performance Data Acquisition and Replay -Mr. Thomas Schoepfner, Product Management MCD Solutions of ETAS		Definition and Design of High Reliability Automotive SoC -Maggie Qiu, CEO of SemiDrive	Road leads to smart, Map oriented to future -Mr. Minto Yu, Head of Product Department, Automatic driving R & D Center, JD X Unit

17:30-17:55	/	-Jeffen Liu, TTTech		HMI at Autonomous Vehicle -Mr. Xu Linhao, Vice-President of BDStar, CEO of BICV	
18:00-18:25				An approach to Smart Cockpit for Autonomous Driving -Zhu Saichun, Senior Technology Director, EE & Connectivity Technology Center, GAC NIO New Energy Automotive Technology Co., Ltd.	

May 30 (Thursday) Conference Agenda

May. 30 Thursday	K2: Plenary Session Keynote Speeches: ICV Key Technolog and Cross-industry Integrity Chairperson: Prof. Cheng Bo, President of Suzhou Automobile Research Institute, Tsinghua University	S8: The 2nd Automotive Radar Forum-1 Organizers: China SAE; Autoroad	/	/	S10: Automated Driving Simulation System Development, Testing and Evaluation-1 Chairperson: Dean of School of Transportation Science and Engineering, Beihang University Co-chairperson & Moderator: Prof. Wang Jian, Jilin University
08:45-09:00	/	08:45-09:00 Address	/	/	/
09:00-09:25	-Ran Bin, Vilas Distinguished Achievement Professor, Director of ITS Plan, University of Wisconsin-Madison, Southeast University	09:00-09:30 TBD -Dr. Yi Chunlei, Yutong	/	/	09:00-09:25 Research on Theoretical Framework System of China Standard ICV Scene Library -Wang Bo, CICV
09:25-09:50	-T3(Being Invited)	09:30-10:00 Radio management and Vehicle radar	/	/	09:30-09:55 Construction of Driving Scenario Data and Implementation of Simulation Testing

		- Zhang Mingyuan, Director of Wireless Dept, The State Radio Monitoring Center Testing Center			-Mr. Zhao Shuai, Director of ICV Data Department, CATARC- Automotive Data Center
09:50-10:15	智能网联汽车：车同轨、书同文、行同伦 -Wan Lei, Huawei	10:00-10:30 ADAS system, sensors and solution -Mr. Neil Zhang, Chief Engineer of Advanced Safety , APTIV(China) Technology Company Limited	/	/	10:00-10:25 Design and test decision making, path planning, and control modules in traffic scenarios -Mr. Wang Hongjun Application Engineer, MathWorks China
10:15-10:40	Constructing a Customer-oriented Ecological Internet of Vehicle -Zhong Xuedan, Vice Presedent of Tencent Auto Intelligence	10:30-10:50 Coffee Break & Visit to Exhibition	/	/	10:30-11:00 Coffee Break & Visit to Exhibition
10:40-11:05	A New Way to Intelligent Mobility -Yan Feng, Partner & CTO, WM Motor	10:50-11:20 The road of high-precision millimeter-wave radar: from ADAS to autonomous driving - Dr. Zhao Jie, Founder & CEO, Beijing Autoroad Technology Co., Ltd.	/	/	11:00-11:25 Scenario Mining Technology Based On Vision Analysis -Dr. Dai Yifan, Director of ICV center, Suzhou Automotive Research Institute, Tsinghua University
11:05-11:30	Cross-industry integration of intelligent car products and service ecosystems -Liu Junfeng General Manager of iFLYTEK Automotive Department	11:20-11:50 Multi-sensor fusion solutions for autonomous driving - Dr. Cui Shiyong, Senior Scientist, Continental Inc.	/	/	11:30-11:55 Perception Testing – Addressing the Challenge -Mr. Jamie Smith, Director of Global Automotive Strategy, National Instruments
11:30-11:55	-Cao Xudong, Momenta CEO	/	/	/	/
May 30 Thursday	S7: AI Algorithm and Chips-1 Chairperson: Deng Zhidong, Department of Computer Science, Tsinghua University	S8: The 2nd Automotive Radar Forum-2 Organizers: China SAE; Autoroad	S9: New-type In-Vehicle High Speed Network-1 Chairperson: Mr. Li Wei, Head of CAICV-NIVN Working Group	P3: ICV Talent Research Forum	S10: Automated Driving Simulation System Development, Testing and Evaluation-2 Chairperson: Dean of School of Transportation Science and Engineering,

					Beihang University Co-chairperson & Moderator: Prof. Wang Jian, Jilin University
13:30-13:55	Visual AI and Self-driving -Deng Zhidong, the Chair of the Expert Committee of China Artificial Intelligence Industry Innovation Alliance, Tsinghua University	13:10-13:40 Automotive radar and intelligent driving assistance system practice - Liu Zonggang, Chairman of Soterea	Chances and Challenges when Developing an Ethernet Car -Kirsten Matheus, Senior Expert, Networking Technologies, BMW AG		Open Simulation Interface -- ADAS / AD Sensor Simulation Enabler -Dr. Ying Haoyuan, Algorithm Development, Radar Sensor Processing, Continental A.G.
14:00-14:25	AI in the Driver Seat -Dan Berman, Director of Business Development, China Region, NVIDIA	13:40-14:10 Sparse microwave imaging with applications to automotive radar -Zhang Bingchen, Institute of Electronics, CAS Aerospace Information Research Institute, Chinese Academy of Sciences	-Zhang Yanying, GAC		Simulation Enables Safe Self-Driving -Mr. Norm Marks, Global Director, Automotive Industry–NVIDIA
14:30-14:55	-Xia Yan, Momenta R&D Director	14:10-14:40 Vehicle safety detection and protective sensor design -Zhao Jian, Professor, Dean of the School of Automotive Engineering, Dalian University of Technology	1000BASE-T1 Technical Practices and Challenges -Bruce Zeng, Product Marketing Director, Motor-comm		Advanced Testing Technologies for Autonomous Driving -Mr. Andreas Gao, dSPACE Mechatronic Control Technology(Shanghai) Co., Ltd.
15:00-15:25	Machine Learning Algorithm Design for Intelligent Driving -Xu Xin, Director, Institute of Unmanned Systems, College of Intelligence Science and Technology, National University of Defense Technology	14:40-15:10 New Generation Massively Deployable Millimeter-wave Radar SoC Solution for Autonomous Driving -Timo Tianchun Wang, GC ADAS Sr. Manager, Application engineering, ADAS PL, NXP Automotive Application R&D Center (Chongqing)	Research and Innovation Solution of Vehicle Ethernet Channel Data Transmission -Mr. Jallen Zhang, Field Application Manager, Automotive BU, Rosenberger Asia Pacific Electronic Co., Ltd.		Virtual development test software and case introduction -Mr. Shiqiang Bao, Director, Autonomous Driving Division,51VR

15:30-16:00	Coffee Break & Visit to Exhibition	<p>15:10-15:40</p> <p>The consideration of unexpected issue and verification method for multiple sensors in Autonomous driving technology</p> <p>-Mr. Seungchul Shin, Automotive Product Planner for R&D Solution, Automotive and Energy Industry Solution Team, Keysight Technologies</p> <p>15:40-16:00</p> <p>Coffee Break & Visit to Exhibition</p>	UAES		Coffee Break & Visit to Exhibition
	S7: AI Algorithm and Chips-2 Chairperson: Prof. Deng Zhidong, Department of Computer Science, Tsinghua University	S8: The 2nd Automotive Radar Forum-3 Organizers: China SAE; Autoroad	/		S10: Automated Driving Simulation System Development, Testing and Evaluation-3 Chairperson: Dean of School of Transportation Science and Engineering, Beihang University Co-chairperson & Moderator: Prof. Wang Jian, Jilin University
16:00-16:25	Autonomous Driving Scenes Cognition and Learning -Ma Huimin, Associate Professor, Department of Electronic Engineering, Tsinghua University	16:00-16:30 Next-generation automotive radar technologies - Barend Van Liempd, Program manager, IMEC (Interuniversity Microelectronics Centre)			TBD -Prof. Sun Jian, Tongji University
16:30-16:55	Service Oriented Architectures in a Heterogeneous Compute World -Peter Brown, Chief Automotive Architect, Automotive Market Team, Wind River Systems, Inc.	16:30-17:00 ANSYS automotive radar antenna design and dynamic scene simulation full process - Cao Genlin, Advanced Application Engineer, ANSYS			Leading Autonomous Driving Simulation Revolution -Mr. Feng Gang, Ansys

17:00-17:25	- Dr. Guo Yandong, Chief Scientist & AI Product Center Vice General Manager, XPENG MOTORS	17:00-17:30 Millimeter-wave Radar ICs for Autonomous Driving of Intelligent Vehicles -Zhang Lei, Institute of Microelectronics, Technical Consultant of Tsingneng Huabo Technology, Tsinghua University			Practice of AV road-testing in Beijing -Ms. Wu Qiong, Vice General Manager, Beijing Innovation Center for Mobility Intelligent
17:30-17:55	AI Driven Intelligent Vehicle -Dr. Bill Chen, CAIO of Artificial Intelligence Centre,AIWASY	17:30-18:00 The challenges for Chinese automotive microwave radar -Mars XU, Chair of Automotive Radar, Radar Lab, School of Transportation, Nantong University			/
18:00-18:25	FPGA-Based Energy-Efficient Accelerator Design for Autonomous Driving -Prof. Wang Yu, Vice Chair of CPC Committee of the Department, Department of Electronic Engineering, Tsinghua University	/		/	/

May. 31 AM (Friday) Conference Agenda

May. 31 AM Friday	P4: ICV Talent Research Forum	S11: V2X and Cooperative Automated Driving -Chairperson: Prof. Yao Danya, Department of Automation, Tsinghua University		S12: Cyber Security Chairperson: Dr. Qin Hongmao, Beihang University Co-chairperson: Chen Jingxiang, Chief Product Officer, Network Security Division, Neusoft
08:30- 08:55		08:30-08:55	Research Progress of BAIC V2X & Collaborative Automated Driving -Dr. Kong Fanzhong, Vice President, Beijing Automotive Technology Center Co., Ltd.; President, BAIC Group New Technology Institute	Cybersecurity Redefines Automotive Safety in New Era -Mr. Samuel Lv, Keen Security Lab of Tencent

09:00-09:25		08:55-09:20	The Connotation and Technical Route of Road-based Automatic Driving -Dr. Zhu Hongge, Deputy Director, Research and Development Center on Intelligent Transportation, CCCC	Establishing security foundation and achieving security targets through orchestration -Dr. Wolfgang Siemel, Vice President Sales Cyber Security Solutions, ETAS GmbH
09:30-09:55		09:20-09:45	Accelerating the Development of Vehicle Networking Industry -Mr. Ren ShiYan, Vehicle Networking Division Deputy General Manager, GOHIGH Data Networks Technology Co., Ltd	Construction of ICV Information Security System -Mr. Gao Changjian, Huawei
10:00-10:30		09:45-10:10	V2X: Build an open platform of connection -Dr. Ethan WANG, VP of R&D, Beijing Nebula Link Technology Co., Ltd.	Coffee Break & Visit to Exhibition
10:30-10:55		10:10-10:40	Coffee Break & Visit to Exhibition	Automotive Cybersecurity Attack and Defense Technology and Sharing Mechanism - Ms. Zhang Yanan, Department Manager, Software testing department, China
11:30-11:55		10:40-11:05	Security & Privacy Protection System for V2X Communication and SCMS Architecture -Dr. Liu Jianxing, China Intelligent and Connected Vehicles (Beijing) Research Institute Co., Ltd	-Mr. Lin Zuning
12:00-12:25		11:05-11:30	The Cloud Control Base Platform promotes the development of the automotive industry -Dr. Li Jiawen, The Cloud Control Base Platform promotes the development of the automotive industry CEO	Vehicle Network Cybersecurity Defense System & Practice -Mr. Xiaosong Yang, Senior Architect of Cybersecurity & Platform, GAC R&D center Silicon Valley Inc.
		11:30-11:55	Innovative Applications of 5G i-VICS: Roadside Intelligent Sensing based on Lidar -Dr. Zhou Hao, Vice Director of Beijing Research Institute, Beijing Wanji Technology Co., Ltd.	
		11:55-12:20	V2X Key Technologies and Their Practices -Dr. Zhang Changlong, Director of V2X&Cooperative ITS, Changsha Intelligent Driving Institute	

2. Parallel Activity

i. Product and Technical Exhibition

