## 1. Conference Agenda

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<th>Time</th>
<th>Main Room</th>
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<th>Parallel Activity</th>
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| 5.29 Wednesday | **06:30-11:10**  
Plenary Session & Opening Ceremony  
Keynote Speeches: ICV Industrialization Practice and Challenges | /                                           |                                               |                                             |                                             | Exhibition                               |
|             | **11:10-12:00**  
High-Level Panel Discussion: Commercialization Approach of ICV (Tentative) |                                               |                                               |                                             |                                             | Innovation Results Release            |
|             | **13:30-15:30**  
S1: International Forum on Intelligent Safety  
S2: Environmental Perception and Information Fusion  
S3: Intelligent Decision Making and Collaborative Control |                                               |                                               |                                             |                                             | Test Drive                              |
|             | **16:00-18:00**  
S4: Key Technologies and Commercialization of Commercial Vehicle Intelligence and Connectivity |                                             |                                               |                                             |                                             | FSAC Excellent Team Demonstration  |
| 5.30 Thursday | **06:30-11:10**  
Plenary Session  
Keynote Speeches: ICV Key Technology—Cross-industry Integrity |                                             |                                               |                                             |                                             | /                                      |
|             | **11:10-12:00**  
High-Level Panel Discussion: i-Vehicle and i-Mobility (Tentative) | S8: Key Technology for Vehicle Radar         |                                               |                                             |                                             | /                                      |
|             | **13:30-15:30**  
S7: AI Algorithm and Chips                          |                                             |                                               |                                             |                                             |                                        |
|             | **16:00-18:00**  
S8: AI Image Processing                      |                                             |                                               |                                             |                                             |                                        |
<p>| 5.31 Friday  AM | / |                                             |                                               |                                             |                                             |                                        |</p>
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<tr>
<th>Date</th>
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| **May. 29** | **08:30-**| Plenary Session & Opening Ceremony  
Keynote Speeches: ICV Industrialization Practice and Challenges  
Chairperson: Mr. Zhang Jinhua, Executive Vice President & Secretary General of China SAE  |
| **Wednesday** | **11:10** | **Address (Being Invited)**  
- China Government Officials  
**The Latest Progress of China ICV Standard (Topic TBD)**  
- Prof. Li Jun, Academician of China Engineering Academy, President of China SAE,  
  Professor of Tsinghua University  
**Topic TBD**  
- Ms. Nadine Leclair, President Elect of FISITA; Member of the Renault Management Committee  
**ICV Technology Progress and Approaches (Being Invited)**  
- Mr. Feng Qingfeng, Vice President & CTO of Geely Auto  
**Toyota ICV Technology Progress and Approaches (to be Invited)**  
- Mr. Ken Koibuchi, CTO of Toyota Research Institute Advanced Development, Inc.  
**Key Technologies and Main Problems of L3/L4 ICV Production; Autopilot Layout for the Future Urban Environment**  
- Audi (being Invited)  
**Being Invited**  
- Tesla  |
| **11:10-**  | **12:00** | High-Level Panel Discussion: Commercialization Approach of ICV (Tentative)  |

| **May. 30** | **09:00-** | Plenary Session  
Keynote Speeches: ICV Key Technology—Cross-industry Integrity  
Chairperson: TBD  |
| **Thursday** | **12:00**  | **Development of An Integrated Transportation System of Connected Automated Vehicles and Highways (Topic TBD)**  
- Prof. Ran Bin, Vilas Distinguished Achievement Professor, Director of ITS Plan,  
  University of Wisconsin-Madison, Southeast University  
**Intelligent Vehicle and Smart Mobility (Topic TBD)**  
- Mr. Yan Feng, Co-founder & CTO, WM Motor  
**MDC (Being Invited)**  
- Huawei  
**ICV, Intelligent Transportation and Smart City (Topic TBD)**  
- Didi Group  
**Urban Brain and Intelligent Transportation (Being Invited)**  
- Dr. Wang Jian, Chairman of the Technical Committee, Alibaba Group  
**AI and AD (Being Invited)**  
- Baidu, Tencent  
**Being Invited**  
- EATA  |
| **11:10-**  | **12:00**  | High-Level Panel Discussion: i-Vehicle and i-Mobility(tentative)  
Chairperson: Prof. Li Keqiang, Professor of Tsinghua University, Chief Scientist of CICV, Chairperson of CAICV Committee of Experts  |
### Topics (Tentative):

- How to define the new generation smart mobility?
- What's the relationship of ICV and smart mobility?
- How should automotive industry support smart mobility?
- How does smart mobility affect the automotive industry?
- What changes need to be made in the automotive industry's product structure, R&D layout, management model, business model, etc.?

### Panelists (To be Invited):
The Above Speakers

### May 29
**Wednesday**
**PM**

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<tr>
<th>Session</th>
<th>Title</th>
<th>Chairperson</th>
<th>Topics</th>
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<td><strong>S2:</strong></td>
<td>Environmental Perception and Information Fusion</td>
<td>Asso. Prof. Li Shengbo, Tenured Associate Professor, Department of Automotive Engineering, Tsinghua University; Young Professor of Changjiang Scholar Program; NSFC Excellent Scholar</td>
<td><strong>Multi-sensor information fusion technology and redundancy mechanism design</strong>&lt;br&gt;- Bosch&lt;br&gt;- Fusion sensing technology&lt;br&gt;  - Dr. Su Kuifeng, GM of Tencent Automated Driving&lt;br&gt;- Traffic environment data automatic labeling technology&lt;br&gt;  - Mr. Sun Hui, Deputy Director, AI Lab, Tsinghua University Suzhou Automobile Research Institute&lt;br&gt;- Being Invited&lt;br&gt;  - Prof. Ammon Shashua, Co-founder, CTO and Chairman of Mobileye&lt;br&gt;- Lidar point cloud data processing algorithm (Being Invited)&lt;br&gt;  - University of Tokyo, Japan&lt;br&gt;- Lidar-based environment sensing technology&lt;br&gt;  - Velodyne, Hesaitech, Suteng Innovation Technology</td>
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<td><strong>S3:</strong></td>
<td>Intelligent Decision Making and Collaborative Control</td>
<td>TBD</td>
<td>Intelligent Decision Making and Collaborative Control&lt;br&gt;- Asso. Prof. Li Shengbo, Tenured Associate Professor, Department of Automotive Engineering, Tsinghua University; Young Professor of Changjiang Scholar Program; NSFC Excellent Scholar&lt;br&gt;- ZF's Solutions for Autopilot Domain Controllers&lt;br&gt;  - Mr. Qi Ping, Director of ZF China Engineering Technology Center&lt;br&gt;- Being Invited&lt;br&gt;  - Jaguar&lt;br&gt;- Solutions&lt;br&gt;  - Continental, Autoliv</td>
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<td><strong>S4:</strong></td>
<td>Key Technologies and Commercialization of Commercial Vehicle Intelligence and Connectivity</td>
<td>Dr. Jiang Xuefeng, VP of Dongfeng Commercial Vehicle; Board Member of CAICV</td>
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| May. 29 Wednesday | 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  
| | European commercial ICV development  
| | - Volvo Truck  
| | European commercial ICV laws and regulations  
| | ———Mr. Francois Guichard, UNECE  
| | Commercial ICV Innovation and business model  
| | - Peloton, Stanford University, University of Michigan, MIT  
| | Automated driving truck and smart logistics  
| | - TuSipmle, Inceptio |

| May. 29 Wednesday | S5: HMI Design for Driving Experience  
| | Chairperson: Prof. Chen Fang, Chalmers University of Technology  
| | Al and UX: the new challenges to the future vehicle interaction design  
| | - Prof. Chen Fang, Chalmers University of Technology  
| | Towards Shared Control: Requirements for the HMI of Automated Vehicles  
| | - Dr. Jacques Terken, Eindhoven University of Technology  
| | Digital Highlight and Integration  
| | - MBUX Expert from Benz  
| | Title TBD  
| | - Digital Cockpit R&D Finland Team of ThunderSoft  
| | Title TBD  
| | - Nissan-Renault's Silicon Valley Automated Driving UX Team  
| | Smart Cockpit  
| | - Visteon/ Faurecia |

| May. 29 Wednesday | S6: Automated Driving Simulation System Development, Testing and Evaluation  
| | Chairperson: Dean of School of Transportation Science and Engineering, Beihang University  
| | Co-chairperson & Moderator: Prof. Wang Jian, Jilin University  
| | 13:30-13:55 Scene library construction  
| | - Mr. Zhao Shuai, CATARC  
| | - Wang Bo, CICV  
| | 14:20-14:45 i-VISTA Test and Evaluation System to Intelligent Connected Vehicle  
| | - Dr. Chen Tao, China Automotive Engineering Research Institute Co., Ltd.  
| | 14:45-15:10 Design and test decision making, path planning, and control modules in traffic scenarios  
| | - Application Engineer, MathWorks China  
| | 15:10-15:35 Simulation Enables Safe Self-Driving  
| | - Mr. Norm Marks, Global Director, Automotive Industry–NVIDIA  
| | 15:35-16:05 Coffee Break & Visit to Exhibition  
| | 16:05-16:30 High Performance Data Acquisition and Replay  
| | - Mr. Thomas Schoepfner, Product Management MCD Solutions of ETAS  
| | 16:30-16:55 Development and testing in a virtual environment  
| | - NI  
| | 16:55-17:20 Development and testing in a virtual environment  
| | - dSPACE |
17:20-17:45 Virtual development test software and case introduction
- 51VR

17:45-18:10 Automated driving simulation system development and test requirements
- Continental

May. 30 Thursday PM

S7: AI Algorithm and Chips
Chairperson: Prof. Deng Zhidong, Department of Computer Science, Tsinghua University

Application of artificial intelligence in automated driving
- Prof. Deng Zhidong, Department of Computer Science, Tsinghua University
Autopilot Algorithm and Chips (Topic TBD)
- NVIDIA
Autopilot Solution (Topic TBD)
- TTTech
Being Invited
- Dr. Reinhard Stolle, Head of Engineering, Autonomous Intelligent Driving GmbH
Autopilot Algorithm and Chips (Being Invited)
- Huawei
Being Invited
- Baidu

May. 30 Thursday PM

S8: AI Image Processing
Chairperson: TBD

(Speakers)
Autonomous Driving Scenes Cognition and Learning
- Asso. Prof. Ma Huimin, Department of Electronic Engineering, Tsinghua University
AI Image Processing
- Prof. Xu Xin, National University of Defense Technology
Topic TBD
- Momenta

May. 30 Thursday PM

S10: New-type In-Vehicle High Speed Network

Standardization progress of NIVN
-Mr. Li Wei, Head of CAICV-NIVN Working Group
Mixed Traffic over Ethernet
-Mr. Deng Chaojun, HUAWEI
THE CHALLENGES IN THE DEVELOPMENT OF A COMPLETE ETHERNET VEHICLE
——Dr. KIRSTEN MATHEUS, BMW Group, The First President of OPEN Alliance, Initiator of Automotive Ethernet
Title TBD
——Kevin Stanton, President of Avnu Alliance /Gary Stuebing, President of Avnu Alliance
Title TBD
-Mr. Liu Zhiyong, Automotive Ethernet Senior Engineer of Yutong (Commercial Vehicle)
Title TBD
-Zhang Yanying, Automotive Ethernet Senior Engineer of GAC GROUP
Title TBD
# Panel Discussion:
What are the opportunities and challenges for the localization of automotive Ethernet? How to respond? How to promote the domestic industrial chain?
How should standardization better promote the development of domestic automobile Ethernet? What needs of standardization remained to be met?
What are the needs of automated driving on high-speed in-vehicle networks?
What are the new technical challenges to be faced?
(Multi-G, EE Architecture, Cyber Security, Function Security, QoS, Connectivity, OTA)

Delegates:
- FAW, HUAWEI, Neusoft, Broadcom, Motorcomm, Leoni, Leaders from Ministry of Science and Technology or Ministry of Industry and Information Technology

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<td>Chairperson: Prof. Yang Diange, Head of Department of Automotive Engineering, Tsinghua University, National High-Level Personnel of Special Support Program</td>
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<td>Introduction to the Latest work of CAICV HD MAP WG</td>
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<td>- Prof. Yang Diange, HEAD of Department of Automotive Engineering, Tsinghua University, National High-Level Personnel of Special Support Program</td>
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<td>Encryption Policy for HD MAP (To be invited)</td>
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<td>- Dr. Li Chengming, Vice President of Chinese Academy of Surveying and Mapping</td>
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<td>Audit Policy for HD MAP (To be invited)</td>
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<td>Introduction to DMP Standard (Inviting)</td>
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<td>- Expert from Japan</td>
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<td>The Application of HD Map in Automated Driving and AICITY</td>
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<td>- Mr. Gu Weihao, GM of Baidu iV</td>
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<td>How Dose HD Map Crowdsourcing Technology to Ensure High Coverage and High - Precision</td>
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<td>- Wei Dong, President of AMPA Automobile Business Group</td>
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<td>Environment Perception and High Precision Positioning Technology (TBD)</td>
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<td>High Precision Map and Positioning in China (TBD)</td>
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<td>High Precision Positioning Technology (TBD)</td>
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<th>S13: V2X and Cooperative Automated Driving</th>
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<td>Chairperson: TBD</td>
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### (Delegates to be invited)

**Topic related to Smart City**
Expert from America/IBM/ Microsoft
V2X Energy saving and efficiency
- APTIV
Intelligent Control Technology on Vehicle Infrastructure Collaboration/Vehicle-Vehicle Collaboration
- Beihang University
TBD
- OEM
Solutions for Automated Driving and Intelligent Road
- Alibaba/Baidu
Internet of Vehicles LTE-V2X Technology
- Wang Yingmin, Datang Telecom Technology & Industry Group
V2X Communications Technology and Standards
- HUAWEI
TBD
- Qualcomm
Intelligent & Connected Traffic, Internet of Vehicles and Big Data Service Operation
- China Mobile/China Unicom
Road-end and Vehicle-end Software and Hardware Solutions
- MOKAR Technology/NEBULA LINK/WANJI Technology
Cloud Control Platform
- TUSHOLDINGS
Discussion: Schedule of V2X Industrialization

### May 31 Friday

| PM | S14: Cyber Security  
Chairperson: Dr. Qin Hongmao, Beihang University |
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<td>Cyber Security Process System</td>
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<td>Cyber Security Sharing and Analysis</td>
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<td>Cyber Security Protection System</td>
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<td>Cyber Security Safety Attack and Defense Technology</td>
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<td>Cyber Security Protection System, Safety Attack and Defense Technology</td>
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<td>- Keen Security Lab, Tencent</td>
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**Invited Speakers:**
Huawei, CATARC, SAIC Motor, GWM, ETAS, Auto-ISAC, Neusoft…
2. Parallel Activity
   i. Product and Technical Exhibition