

2016中国汽车工程学会年会暨展览会  
SAE-China Congress & Exhibition

2016中国国际智能网联汽车年会  
China International Congress on Intelligent & Connected Vehicles (CICV)

# 初步日程

## Preliminary Program

2016年10月26-28日 上海汽车会展中心  
October 26-28, 2016 Shanghai Automobile Exhibition Center

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# 2016 中国汽车工程学会年会暨展览会 SAE-China Congress & Exhibition

## 2016 SAECCCE 介绍 Introduction

2016 年是我国“十三五”的开局之年；也是“中国制造 2025”——《节能与新能源汽车技术路线图》公布与实施的起始之年；更是汽车产业保持平稳发展，实现转型升级的攻坚之年。我国汽车产业面临着多机遇与挑战，若干问题更亟待全新思考与充分研讨。

“互联网+”和信息技术对汽车带来了显著的变化。近一年来，互联网企业与传统汽车行业的合作也愈发紧密。智能网联汽车技术对汽车通信、安全和标准提出来的新要求。

2016 中国汽车工程学会年会暨展览会（2016 SAECCCE）将于 2016 年 10 月 26-28 日在上海举办。本届年会将主要聚焦汽车产业转型升级、汽车智能化和网联化、汽车节能环保和汽车安全等热点话题，邀请院士、汽车及零部件企业高层、技术领军人物、专家，通过技术报告、专题研讨、圆桌访谈等形式展开讨论。并专门设置“院士论坛”、“智能网联汽车技术”“汽车创新技术论坛”等专题版块。同时，“中国国际智能网联汽车年会”（2016 CICV）继续搭载在年会平台，打造年会版图中专注于智能网联汽车技术与产业的国际化交流平台。2016 SAECCCE 期间将呈现 60 余场汽车各技术领域及技术及专题分会，预计参会听众超过 2300 人。

本届年会技术展览，面积将达 10000 平米，将继续对参会代表和广大汽车科技工作者免费开放。这是国内专注技术、注重学术交流的重要技术展览平台，也是为国内外整车、零部件及制造设备企业开辟的独立舞台，专注于展示全球前沿的智能网联汽车、节能环保汽车、动力总成、汽车电子、安全、车身、测试和生产与制造设备等技术成果。预期观众人数将达万人。

中国汽车工程学会年会已成功举办 22 届，秉承“学会搭台、行业唱戏”的理念，坚持会议交流与技术展览同时同地同主题紧密结合的模式，邀请产、学、研、用等多方专家和单位共同策划、组织，已经成为国内最受关注、最重要的汽车技术综合学术交流平台。

期待金秋十月与您相约在 2016 SAECCCE。

At the outset of China's 13th Five-year plan, 2016 is also the beginning year of release and implementation of "Technical Roadmap for Energy-saving and New Energy Vehicles", the detailed strategy of China Manufacturing 2025; what is more, 2016 is also the crucial period for automotive industry to stay stable growth and upgrading and transformation. Various opportunities are lying ahead together with challenges, and there are numerous problems that need to be reconsidered in a new way with thorough discussions.

The concept of "Internet+" and IT technology have brought prominent changes to automotive industry. We have observed closer partnership between IT and traditional car companies in the last year. New demands have been raised by intelligent and connected vehicle technologies to communication, safety and standards.

The 2016 SAE-China Congress & Exhibition (2016 SAECCCE) will be held from Oct.26 to 28 in Shanghai. This year, we will focus mainly on heated topics such as industry upgrading and transformation, intelligent and connected technologies, energy-saving, environmental protection and vehicle safety, and invite academicians, senior executives, technical leaders and experts to conduct discussions in ways of technical presentations, special sessions and roundtables. Special events are organized under the theme of "Academician Forum", "Intelligent and Connected Vehicle Technology Forum", "Vehicle Innovative Technology Forum" and more. In the meantime, the 2016 China International Congress on Intelligent and Connected Vehicles (2016 CICV) will continue to be integrated to 2016 SAECCCE, to set up an international communication platform that is specialized in intelligent and connected vehicle technologies and industry. During the 2016 SAECCCE, there will be over 60 technical and special sessions covering a wide range of technical fields. It is estimated that more than 2,300 delegates will attend the Congress.

The concurrent technical exhibition, which will be open freely to Congress delegates and professional visitors, covers an area of 10,000m<sup>2</sup>. This is one of the most prominent technical platform that focused on technical and academic changes, and is an independent arena set exclusively for OEMs, suppliers and manufacturing makers home and abroad. Numerous technical achievements of the whole industry chain will be displayed on site, including advanced technologies in intelligent and connected vehicles, energy-saving and environmental-friendly vehicles, powertrain, automotive electronics, safety, car body, testing, production and manufacturing equipment. The exhibition is expected to attract over 10,000 visitors.

With 22 Congresses been successfully held in the past years, SAE-China adheres to the principle of "the whole of auto industry gets fully involved on the platform established by SAE-China", insisting on the format of closely combining conference exchanges with technical exhibition concurrently under the same theme, calling on the active participation of experts and organizations in every field of the industry. In this way, the SAECCCE has become the most prominent academic communication platform in China that receives the most attention.

We look forward to meeting you at 2016 SAECCCE this October.

# 日程概览 Program Overview

	南展厅会议区 Conference Zone, SHE	A1 北展厅 NEH	A2 北展厅 NEH	A3 北展厅 NEH	A4 北展厅 NEH	A5 北展厅 NEH	A6 北展厅 NEH	
<b>10月26日</b>								
09:00	<b>全体大会 / Plenary Session</b> <b>开幕式 / Opening Ceremony</b> 饶斌奖 / RAO Bin Award 节能与新能源汽车技术路线图发布会 Launch of the Technology Roadmap for Energy Saving and New Energy Vehicles 高层访谈：汽车与互联网汽车深度融合与协同发展 High-level Plenary Session: Deep Integration and Collaborative Development of Automobile and Internet Enterprises							
12:30	午餐 Lunch							
13:30	<b>V01</b> 技术大会—先进智能网联汽车技术 Technical Conference—Advanced ICV Technology	<b>S01</b> 先进动力总成技术 Advanced Powertrain Technology	<b>S02</b> 混动专用变速器 DHT 技术交流会 Dedicated hybrid transmission (DHT) – cost optimized hybrid transmission	<b>S04</b> OBD 法规体系及排放监管的应用趋势 OBD Regulatory System and the Application Trend of Emission Control	<b>S05</b> 混合动力及电动汽车关键技术 HEV & EV			
			<b>S03</b> AVL 专题分会 AVL-Special Session	<b>T03</b> 环保与排放控制技术 Environmental Protection and Emission Control Technology				
18:00	VIP 晚餐 / VIP Dinner							
<b>10月27日</b>								
09:00	<b>A01</b> 中国汽车科技创新 Science & Technology Innovation for Chinese Automotive	<b>T01</b> 内燃机技术 Internal Combustion Engines	<b>T02</b> 变速器技术 Transmission Technology		<b>S10</b> 电动汽车整车及电池安全技术研讨会 Safety technology of electric vehicle and battery	<b>V02</b> 零伤亡愿景—没有人应该在车祸中死亡 Vision Zero—Nobody Should be Killed by Vehicle	<b>T05</b> 智能网联汽车技术 Intelligent and Connect Vehicles	
12:00	午餐 Lunch							
13:30	<b>YP</b> 青年工程师和学生活动 Young Professional Activities		<b>S13</b> 面对未来二氧化碳排放政策的挑战与方案 Challenges and Solutions Facing Future CO <sub>2</sub> Emission Regulations	<b>T04</b> 电动汽车技术 Electric Vehicle Technology		<b>V04</b> 中日韩汽车论坛—高精度地图及定位 China-Japan-Korea Forum—High Precision Map and Positioning	<b>A02</b> 人工智能及自动驾驶 Artificial Intelligence & Automatic Driving	
			<b>S14</b> 变速器与混动系统的平台化开发 Transmission & Hybrid System Platform Development		<b>V06</b> 智能网联汽车测试评价 Intelligent Vehicle Testing & Evaluation	<b>V07</b> 智能网联汽车感知与融合技术 Perception&Multi-Sensors Fusion in ICV		
18:00	<b>10月28日</b>							
09:00		<b>T01</b> 内燃机技术 Internal Combustion Engines	<b>S15</b> 商用车液压力转向系统技术论坛 Commercial Vehicle Hydraulic Power Steering System	<b>S16</b> 汽车产品的回收利用—集约化、信息化、标准化 Automotive Products Recycling: Intensive Production, IT Promotion and Standardization	<b>T04</b> 电动汽车技术 Electric Vehicle Technology	<b>V09</b> 智能网联汽车示范区建设和应用 Pilot Zone Construction and Application for ICV	<b>V10</b> 智能网联汽车信息安全 Information Security for ICV	
11:30	<b>全体大会 Plenary Session</b> <b>中国汽车工业科学技术奖颁奖典礼及闭幕式</b> China Automotive S&T Award Ceremony & Closing Ceremony 中国汽车工业科学技术奖颁奖 China Automotive S&T Award Ceremony 2016 SAECCCE 总结 2016 SAECCCE Review 年会学术观点发布 Viewpoints Release from Sessions of 2016 SAECCCE 车身会议颁奖 / Excellent Car Model Award of The 4th China Lightweight Car Body Conference 优秀论文 / Excellent Papers Award							
13:00	闭幕招待会 / Farewell Reception							
14:00	企业参观 / Technical Tour							
	A: 院士论坛 Academician Forums		S: 专题分会 Special Sessions		V: 专题分会 (CICV) Special Sessions(CICV)		T: 技术分会 Technical Sessions	

# 日程概览 Program Overview

A7 北展厅 NEH	A8 北展厅 NEH	A9 南展厅 SEH	2 楼多功能大会议室东 Multifunctional Conference Room East, 2F, SAEC	2 楼 1 号会议室 Meeting Room 1, 2F, SAEC	2 楼多功能大会议室 Multifunctional Conference Room, 2F, SAEC	博物馆 5 层 5F, Museum	试乘试驾 Test Drive	南展厅 South Exhibition Hall (SEH)
<b>Oct. 26</b>								
09:00								
12:30								
13:30								
18:00								
<b>Oct. 27</b>								
09:00								
12:00								
13:30								
18:00								
<b>Oct. 28</b>								
09:00								
11:30								
13:00								
14:00								

<b>S06</b> 汽车智能工厂 实践与展望 Practice and Prospects of Automotive Intelligent factory	<b>T07</b> 汽车新材料与 轻量化 New Materials and Lightweight Technology	<b>S07</b> 汽车产业与技术管理 Automotive Industry & technology management	<b>S08</b> 碰撞实验技术及中国人体碰 撞实验假人 The Crash Test Technology and Test Dummy in Chinese Body Size
<b>T08</b> 先进汽车车身 设计 Advanced Car Body Design	<b>S09</b> 汽车碰撞中乘员损伤生物力 学与行人保护 Occupant Injury Biomechanics & Pedestrian Protection in Vehicle Collision		

<b>V03</b> 中国网联汽车标准化与产 业化发展 Standardization and Commercialization of China V2X Industry	<b>S11</b> 面向中国制造 2025 的汽车数 字化开发 Vehicle Digital Development	<b>P01</b> 第四届中国轻 量化车身会议 The 4th China Lightweight Car Body Conference	<b>S12</b> 制动器 NVH 技术 Automotive Brake NVH Technologies	<b>T12</b> 机加工、检测 与测量 Machining, Testing and Measurement
<b>V05</b> 汽车人因工程与人性化设计 Automotive HMI Technology: Human Factors and User- friendly Design in Automotive	<b>T06</b> 汽车仿真与测 试 Automotive Simulation and Testing	<b>T09</b> 振动噪声控制技术 NVH Technology	<b>T11</b> 汽车电子技术 Automotive Electronic Technology	<b>A03</b> 轮胎与汽车匹配技术 Tire and Vehicle Matching Technology
<b>V08</b> 智能网联汽车标准体系及 进展 Development of Standard / Regulation for ICV				

<b>P02</b> 第十一届中国道路交通事 故研究研讨会—基于中国 交通环境的 ADAS 典型 场景研究 The 11 <sup>th</sup> Symposium on Road Traffic Accident Research in China: The Typical Risk Scenarios for ADAS in Chinese Road Traffic Environment	<b>S17</b> 汽车空气动力 学：仿真驱动 的气动外形设计 Automotive Aerodynamics: Simulation Driven Vehicle Aerodynamic Shape Design	<b>S18</b> 碳纤维复合材 料 Carbon Fiber Composite	<b>T10</b> 悬架技术 Suspension System	<b>S19</b> 基于模型的汽车电子和软件 验证和确认 Model-based Verification and Validation of Automotive Electronics and Software	<b>A04</b> 车辆动力学 Vehicle Dynamics
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# 组织机构 Organizing Committee

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Society of Automotive Engineers of China

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China FAW Group Corporation R&D Center

汽车轻量化技术创新战略联盟

China Auto Lightweight Technology Innovation Strategic Alliance

电动汽车产业技术创新战略联盟

China Industry Technology Innovation Strategic Alliance for Electric Vehicle

智能网联汽车产业技术创新战略联盟

China Industry Technology Innovation Strategic Alliance for the Intelligent and Connected Vehicles

中国汽车零部件技术创新推进组织

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论文宣读作者	会员	套餐1	1,000	/	/
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书面发表论文作者 (非宣读作者)	会员	套餐1	1,250	1,500	/
	非会员	套餐1	1,500	1,800	/
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	非会员	套餐2	250	300	350
特邀嘉宾 (特邀演讲嘉宾/SCI论文交流作者/ 会议主席/主持嘉宾/互动讨论嘉宾/ 评审专家/特邀VIP)	会员	套餐1	0	0	0
	非会员	套餐1	1,250	1,500	1,750
团队报名 (同单位3人及以上一笔支付)	/	套餐1	1,250	1,500	1,750
展览参观	/	套餐3	0	0	0
企业参观	/	/	50	50	50

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## 会议报到安排:

- 注册时间及地点(任选一个时间, 只需注册一次):
- 10月25日 14:00-18:00
  - 10月26日 08:00-18:00
- 注册地点: 上海汽车会展中心一层门口
- \*组委会将于以上时间在11号线地铁上海汽车城站2号出口处安排短驳巴士, 至上海汽车会展中心。

## 会议报名联系人:

贾倩倩女士 / 周伯阳先生  
 电话: +86-(0)10-5095 0040/41  
 邮箱: [jqq@sae-china.org](mailto:jqq@sae-china.org); [zby@sae-china.org](mailto:zby@sae-china.org)  
 注册网址: [www.saece.com](http://www.saece.com)

Attendee		Including	Pay Before Sept.19	Pay Before Oct.16	Pay on site
Delegate	Member	Set 1	1,500	1,800	2,100
	Nonmember	Set 1	2,500	3,000	3,500
Presentation Paper Author	Member	Set 1	1,000	/	/
	Nonmember	Set 1	1,250	/	/
Published Paper Author	Member	Set 1	1,250	1,500	/
	Nonmember	Set 1	1,500	1,800	/
Student (Current full-time Postgraduates & Undergraduates)	Member	Set 2	0	0	0
	Nonmember	Set 2	250	300	350
Chairman/ Invited Speaker/ Paper Reviewer/ SCI Presentation Paper Author	Member	Set 1	0	0	0
	Nonmember	Set 1	1,250	1,500	1,750
Team Registration (3 delegates or above)	/	Set 1	1,250	1,500	1,750
Exhibition Visit	/	Set 3	0	0	0
Technical Tour	/	/	50	50	50

## Notes:

- All delegates are required to register on SAECE website:  
[www.saece.com](http://www.saece.com).
- Package instructions:  
Set 1: All sessions of SAECE enterable, including conference materials and lunches.  
Set 2: All sessions of SAECE enterable, but not including conference materials and lunches.  
Set 3: Only exhibition area enterable.
- Payment Method: Bank transfer by online or offline or credit card on site.
- SAE-China Member Discount:  
SAE-China Members enjoy a favorable registration fee. You can log on <http://huiyuan.sae-china.org/> to apply for membership online. The membership annual due is 60 RMB.
- Bank Information:  
(RMB Account)  
Bank: Beijing Branch, Industry and Commerce Bank of China  
Address: 26 Yuetan North Street, West City District, Beijing, China, 100045  
Beneficiary: Society of Automotive Engineers of China  
Account No: 0200003609089072309

Swift: ICBK CN BJ BJM  
Remark: SAECE+ Delegate's Name  
(Other Currencies Account)  
Bank: Bank of China Head Office  
Address: No.1 Fuxingmen Nei Venue, Xicheng District, Beijing, 100818, China  
Beneficiary: Society of Automotive Engineers of China  
Account No: 778350040984  
Swift: BKCH CN BJ  
Remark: SAECE+ Delegate's Name

- Cancellation Policy:  
A formal request of registration cancellation must be written and sent to [congress@sae-china.org](mailto:congress@sae-china.org). If the cancellation is made before September 26th, the applicant can enjoy a full refund. If the cancellation is made after September 26th, an administration fee of 10% will be charged by the Organizing Committee, and the applicant should bear any bank charges if generated. No extra fees will be charged if the delegate appoints a substitute to attend the conference.

## Arrangement for Onsite Registration:

(to fetch badges and conference materials)

- October 25<sup>th</sup> 14:00-18:00
- October 26<sup>th</sup> 08:00-18:00

Registration Venue: Entrance, 1F, Shanghai Automobile Exhibition Center (SAEC)

\*Shuttle Buses will be provided near the No.2 Exit of Shanghai Automobile City Station of Metro Line 11 at the above time slots.

## Any enquiries on registration, please contact:

Ms. Janet JIA / Mr. Boyang ZHOU  
TEL: +86-(0)10-50950040/41  
Email: [jqq@sae-china.org](mailto:jqq@sae-china.org); [zby@sae-china.org](mailto:zby@sae-china.org)  
Registration Website: [www.saece.com](http://www.saece.com)

# 日程概览 Program Overview

## (1) 年会会议初步日程概览

时间	活动内容	地点	
10月25日	14:00-18:00	注册报到	上海汽车会展中心一层门口
	13:00-16:30	中国汽车工程学会理事会	昆山维景国际大酒店
	16:30-18:30	中国汽车技术首脑闭门峰会—汽车产业的跨界、融合、创新发展	昆山维景国际大酒店
	09:00-17:00	P03: 第三届全国华人汽车精英联合会暨“中国拥抱世界”汽车产业创新论坛	颖奕皇冠假日酒店
<b>全体大会</b>			
09:00-12:30	开幕式致辞	汽车会展中心 南展厅全体大会区	
	中国汽车工业饶斌颁奖颁奖典礼		
	节能与新能源汽车技术路线图发布会		
	高层访谈：汽车与互联网汽车深度融合与协同发展		
12:30-13:30	午餐		
<b>专题分会 + 技术分会</b>			
10月26日	S01: 先进动力总成技术	北展厅 A1 会议室	
	S02: 混动专用变速器 DHT 技术交流会	北展厅 A2 会议室	
	S03: AVL 专题分会	北展厅 A2 会议室	
	S04: OBD 法规体系及排放监管的应用趋势	北展厅 A3 会议室	
	S05: 混合动力及电动汽车关键技术	北展厅 A4 会议室	
	S06: 汽车智能工厂实践与展望	北展厅 A8 会议室	
	13:30-18:00	S07: 汽车产业与技术管理	2楼多功能大会议室东
		S08: 碰撞实验技术及中国人体碰撞实验假人	2楼1号会议室
		S09: 汽车碰撞中乘员损伤生物力学与行人保护	2楼1号会议室
	T03: 环保与排放控制技术	北展厅 A3 会议室	
	T07: 汽车新材料与轻量化	南展厅 A9 会议室	
	T08: 先进汽车车身设计	南展厅 A9 会议室	
	V01: 技术大会—先进智能网联汽车技术	南展厅全体大会区	
	18:30-20:00	VIP 晚餐	博物馆一层
<b>院士论坛 + 技术分会 + 专题分会 + 并行会议</b>			
10月27日	09:00-12:00	A01: 中国汽车科技创新	南展厅全体大会区
		S10: 电动汽车整车及电池安全技术研讨会	北展厅 A4 会议室
		S11: 面向中国制造 2025 的数字化开发	北展厅 A8 会议室

时间	活动内容	地点
<b>院士论坛 + 技术分会 + 专题分会 + 并行会议</b>		
09:00-12:00	S12: 制动器 NVH 技术	2 楼多功能厅大会议室东
	T01: 内燃机技术	北展厅 A1 会议室
	T02: 变速器技术	北展厅 A2 会议室
	T05: 智能网联汽车技术	北展厅 A6 会议室
	T12: 机加工、检测与测量	博物馆 5 楼综合会议室
	V02: 零伤亡愿景—没有人应该在车祸中死亡	北展厅 A5 会议室
	V03: 中国网联汽车标准化与产业化发展	北展厅 A7 会议室
	P01: 第四届中国轻量化车身会议	南展厅 A9 会议室
12:00-13:30	午餐	
<b>院士论坛 + 技术分会 + 专题分会 + 并行会议</b>		
10月 27日	A02: 无人驾驶及人工智能	北展厅 A6 会议室
	A03: 轮胎与汽车匹配技术	2 楼多功能大会议室
	S13: 面对未来二氧化碳排放政策的挑战与方案	北展厅 A2 会议室
	S14: 变速器与混动系统的平台化开发	北展厅 A2 会议室
	T01: 内燃机技术	北展厅 A1 会议室
	T04: 电动汽车技术	北展厅 A3-A4 会议室
	T06: 汽车仿真与测试	北展厅 A8 会议室
	T09: 振动噪声控制技术	2 楼多功能大会议室东
	T11: 汽车电子技术	2 楼 1 号会议室
	T12: 机加工、检测与测量	博物馆 5 楼综合会议室
	V04: 中日韩汽车论坛 - 高精度地图及定位	北展厅 A5 会议室
	V05: 汽车人机交互技术论坛: 汽车人因工程与人性化设计	北展厅 A7 会议室
	V06: 智能网联汽车测试评价	北展厅 A5 会议室
	V07: 智能网联汽车感知与融合技术	北展厅 A6 会议室
	V08: 智能网联汽车标准体系及进展	北展厅 A7 会议室
	P01: 第四届中国轻量化车身会议	南展厅 A9 会议室
	YP: 青年工程师和学生活动	南展厅全体大会区

# 日程概览 Program Overview

时间	活动内容	地点
<b>院士论坛 + 技术分会 + 专题分会 + 并行会议</b>		
10月28日	A04: 车辆动力学	2楼多功能厅大会议室
	S15: 商用车液压助力转向系统技术论坛	北展厅 A2 会议室
	S16: 汽车产品的回收利用—集约化、信息化、标准化	北展厅 A3 会议室
	S17: 汽车空气动力学: 仿真驱动的气动外形设计	北展厅 A8 会议室
	S18: 碳纤维复合材料	南展厅 A9 会议室
	S19: 基于模型的汽车电子和软件验证和确认	2楼1号会议室
	T01: 内燃机技术	北展厅 A1 会议室
	T04: 电动汽车技术	北展厅 A4 会议室
	T10: 悬架技术	2楼多功能厅大会议室东
	V09: 智能网联汽车示范区建设和应用	北展厅 A5 会议室
	V10: 智能网联汽车信息安全	北展厅 A6 会议室
	P02: 第十一届中国道路交通事故研究研讨会	北展厅 A7 会议室
<b>中国汽车工业科学技术奖颁奖典礼及闭幕式 #</b>		
11:30-13:00	中国汽车工业科学技术奖颁奖 2016 SAECCE 总结 年会学术观点发布 车身会议颁奖 优秀论文颁奖	南展厅全体大会区
<b>闭幕招待会</b>		

## (2) 年会技术展览及同期其他活动

10月26日-28日	09:00-16:00	2016 中国汽车工程学会年会技术展览	南展厅
10月26日	14:00-17:00	iTAC 中国汽车技术战略国际咨询委员会闭门会议	颖奕皇冠假日酒店
10月28日	09:00-15:00	采购配对会	南展厅 A9 会议室
	11:45-12:15	中国汽车工业科学技术奖颁奖	南展厅全体大会区

## (3) 试乘试驾

10月26日-28日	09:30-12:00 13:30-17:30	试乘试驾	北展厅外北侧停车场 上海汽车博览公园 A NICE City F1 封闭区域
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## (4) 技术参观

10月28日	14:00-18:00	路线 1: 上海机动车检测认证技术研究中心 路线 2: 蔚来汽车 路线 3: 清华大学苏州汽车研究院 路线 4: 泛亚汽车技术中心有限公司
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## (1) Congress Preliminary Program Overview

	Time	Events	Venue
Oct. 25	14:00-18:00	Registration	Entrance, 1F, Shanghai Automobile Exhibition Center (SAEC)
	13:00-16:30	SAE-China Council Meeting	Grand Metropark Hotel Kunshan
	16:30-18:30	Closed-door Chinese Technical Leaders Summit	Grand Metropark Hotel Kunshan
	09:00-17:00	P03: The Third Global Chinese Auto Elite Joint Annual Meeting & "China Embracing the World" Auto Industry Innovation Forum	Crowne Plaza
Oct. 26	<b>Plenary Session</b>		
	09:00-12:30	Opening Ceremony & Welcome Addresses	Conference Zone, South Exhibition Hall (SEH)
		"RAO BIN Medal of China Automobile Industry"	
		Launch of the Technology Roadmap for Energy Saving and New Energy Vehicles	
		High-level Plenary Session: Deep Integration and Collaborative Development of Automobile and Internet Enterprises	
	12:30-13:30	Lunch	
	<b>Technical Sessions+ Special Sessions</b>		
	13:30-18:00	S01: Advanced Powertrain Technology	A1, NEH
		S02: Dedicated Hybrid Transmission (DHT) – Cost Optimized Hybrid Transmission	A2, NEH
		S03: AVL-Special Session	A2, NEH
		S04: OBD Regulatory System and the Application Trend of Emission Control	A3, NEH
		S05: HEV & EV	A4, NEH
		S06: Practice and Prospects of Automotive Intelligent factory	A8, NEH
		S07: Automotive Industry & Technology Management	Multifunctional Conference Room East, 2F, SAEC
		S08: The Crash Test Technology and Test Dummy in Chinese Body Size	Meeting Room 1, 2F, SAEC
		S09: Occupant Injury Biomechanics & Pedestrian Protection in Vehicle Collision	Meeting Room 1, 2F, SAEC
		T03: Environmental Protection and Emission Control Technology	A3, NEH
T07: New Materials and Lightweight Technology		A9, SEH	
T08: Advanced Car Body Design		A9, SEH	
V01: Technical Conference—Advanced ICV Technology		Conference Zone, SHE	
18:30-20:00	VIP Dinner	1F, Shanghai Auto Museum	
Oct. 27	<b>Academician Forums + Technical Sessions+ Special Sessions + Parallel Meetings</b>		
	09:00-12:00	A01: Science & Technology Innovation for Chinese Automotive	Conference Zone, SHE
		S10: Safety technology of electric vehicle and battery	A4, NEH
		S11: Vehicle Digital Development	A8, NEH

# 日程概览 Program Overview

Time	Events	Venue
<b>Academician Forums + Technical Sessions+ Special Sessions + Parallel Meetings</b>		
09:00-12:00	S12: Automotive Brake NVH Technologies	Multifunctional Conference Room East, 2F, SAEC
	T01: Internal Combustion Engines	A1, NEH
	T02: Transmission Technology	A2, NEH
	T05: Intelligent and Connect Vehicles	A6, NEH
	T12: Machining, Testing and Measurement	5F, Museum
	V02: Vision Zero-Nobody Should be Killed by Vehicle	A5, NEH
	V03: Standardization and Commercialization of China V2X Industry	A7, NEH
	P01: The 4th China Lightweight Car Body Conference	A9, SEH
12:00-13:30	Lunch	
<b>Academician Forums + Technical Sessions+ Special Sessions + Parallel Meetings</b>		
Oct. 27  13:30-18:00	A02: Artificial Intelligence & Automatic Driving	A6, NEH
	A03: Tire and Vehicle Matching Technology	Multifunctional Conference Room, 2F, SAEC
	S13: Challenges and Solutions Facing Future CO <sub>2</sub> Emission Regulations	A2, NEH
	S14: Transmission & Hybrid System Platform Development	A2, NEH
	T01: Internal Combustion Engines	A1, NEH
	T04: Electric Vehicle Technology	A3 - A4, NEH
	T06: Automotive Simulation and Testing	A8, NEH
	T09: NVH Technology	Multifunctional Conference Room East, 2F, SAEC
	T11: Automotive Electronic Technology	Meeting Room 1, 2F, SAEC
	T12: Machining, Testing and Measurement	5F, Museum
	V04: China-Japan-Korea Forum-High Precision Map and Positioning	A5, NEH
	V05: Automotive HMI Technology: Human Factors and User-friendly Design in Automotive	A7, NEH
	V06: Intelligent Vehicle Testing & Evaluation	A5, NEH
	V07: Information Security for ICV	A6, NEH
	V08: Development of Standard / Regulation for ICV	A7, NEH
	P01: The 4th China Lightweight Car Body Conference	A9, SEH
YP: Young Professional Activities	Conference Zone, SHE	

Time	Events	Venue
<b>Academician Forums + Technical Sessions+ Special Sessions + Parallel Meetings</b>		
Oct. 28	A04: Vehicle Dynamics	Multifunctional Conference Room, 2F, SAEC
	S15: Commercial Vehicle Hydraulic Power Steering System	A2, NEH
	S16: Automotive Products Recycling: Intensive Production, IT Promotion and Standardization	A3, NEH
	S17: Automotive Aerodynamics: Simulation Driven Vehicle Aerodynamic Shape Design	A8, NEH
	S18: Carbon Fiber Composite	A9, SEH
	S19: Model-based Verification and Validation of Automotive Electronics and Software	Meeting Room 1, 2F, SAEC
	T01: Internal Combustion Engines	A1, NEH
	T04: Electric Vehicle Technology	A4, NEH
	T10: Suspension System	Multifunctional Conference Room East, 2F, SAEC
	V09: Pilot Zone Construction and Application for ICV	A5, NEH
	V10: Perception & Multi-Sensors Fusion in ICV	A6, NEH
	P02: The 11th Symposium on Road Traffic Accident Research in China: The Typical Risk Scenarios for ADAS in Chinese Road Traffic Environment	A7, NEH
	<b>Award Ceremony &amp; Closing Ceremony</b>	
11:30-13:00	China Automotive S&T Award Ceremony 2016 SAECCCE Review Viewpoints Release from Sessions of 2016 SAECCCE Excellent Car Model Award of The 4th China Lightweight Car Body Conference Excellent Papers Award	Conference Zone, SHE
<b>Farewell Reception</b>		

## (2) Technical Exhibition & Other Concurrent Events

Oct.26-28	09:00-16:00	Technical Exhibition of 2016 SAECCCE	SEH
Oct.26	14:00-17:00	Closed-door Work Conference of International Technology Advisory Committee for China Automotive Industry (ITAC)	Crowne Plaza
Oct.28	09:00-15:00	Match-Making	A9, SEH
	11:45-12:15	China Automotive S&T Award Ceremony	Conference Zone, SHE

## (3) Test Drive

Oct.26-28	09:30-12:00 13:30-17:30	Test Drive	North Parking Lot outside NEH Shanghai International Automobile City Park A Nice City-- F1 Close Test
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## (4) Technical Visits

Oct. 28	14:00-18:00	Line 1: Shanghai Motor Vehicle Inspection Center Line 2: NextEV Line 3: Tsinghua University Suzhou Automotive Research Institute Line 4: Pan Asia Technical Automotive Center Co., Ltd.
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## 2016 中国汽车工程学会年会暨展览会开幕式 2016 SAECCCE Opening Ceremony

**时间及地点 / Date & Venue:** 2016 年 10 月 26 日 09:00–10:30 南展厅全体大会区  
09:00–09:40 Oct. 26, Conference Zone, South Exhibition Hall

开幕式致辞  
Welcome Address

中国汽车工业饶斌奖颁奖典礼  
RAO BIN Medal of China Automobile Industry

节能与新能源汽车技术路线图发布会  
Launch of the Technology Roadmap for Energy Saving and New Energy Vehicles

## 中国汽车工业科学技术奖颁奖典礼及闭幕式 China Automotive S&T Award Ceremony & Closing Ceremony

**时间及地点 / Date & Venue:** 2016 年 10 月 28 日 11:30–13:00 南展厅全体大会区  
11:30–13:00 Oct. 28, Conference Zone, South Exhibition Hall

中国汽车工业科学技术奖颁奖  
China Automotive S&T Award Ceremony

2016 SAECCCE 总结  
2016 SAECCCE Review

年会学术观点发布  
Viewpoints Release from Sessions of 2016 SAECCCE

车身会议颁奖  
Excellent Car Model Award of The 4<sup>th</sup> China Lightweight Car Body Conference

优秀论文  
Excellent Papers Award

## 高层访谈：汽车与互联网汽车深度融合与协同发展

### High-level Plenary Session: Deep Integration and Collaborative Development of Automobile and Internet Enterprises

**时间及地点 / Date & Venue:** 2016年10月26日 10:30-12:30, 南展厅全体大会区  
10:30-12:30, Oct. 26, 2016, Conference Zone, South Exhibition Hall

#### 简介 / Introduction :

信息技术的快速发展,从谷歌、特斯拉到百度、阿里巴巴、乐视等一系列的互联网企业如雨后春笋般开始进入汽车产业,系列汽车高管涌入互联网车企。刚开始有人怀疑新兴的互联网是否会给传统的汽车产业带来颠覆性的冲击,但是经过行业间的交流,已经达成共识,互联网和汽车产业谁都不会颠覆谁,双方融合才是适应新时代的发展需要。

With the rapid development of information technology, we see an influx of many IT enterprises into the automobile industry, from Google, Tesla to Baidu, Alibaba, LeSEE and more, and a number of senior auto executives jumping into IT companies. A doubt of whether IT would overturn the traditional automobile industry once prevailed, but it now has been dispelled since a common consensus has been reached through communications that an integration of two industries will be the demand of the new era.

#### 议题 / Topics:

- 互联网车企给传统车企带来了哪些影响? 那么双方如何融合和协同发展?
- 互联网造车和传统汽车企业造车在理念、开发流程和周期、成本等方面有哪些区别?
- 互联网车企中汽车人和互联网人的文化、理念如何融合, 如何分工?
- 互联网车企在智能汽车、新能源汽车方面的技术路线有何不同?
- What impacts will Internet enterprises bring in? How should the two integrate and develop collaboratively?
- What are the differences between the two kinds of enterprises in terms of concept, develop process, development cycle and cost?
- For automotive executives, how to emerge and position themselves in Internet culture and ideas after they jump into the new ship?
- What's the difference in developing ICV and EV?

#### 日程 / Agenda:



主持嘉宾 Moderator:  
**赵福全 教授 / Prof. Frank Zhao**  
清华大学汽车产业与技术战略研究院院长  
President, Tsinghua Automotive Strategy Research Institute (TASRI)

#### 演讲嘉宾 / Speakers:



10:30-10:50  
**程惊雷 先生 / Mr. Cheng Jinglei**  
上海汽车集团股份有限公司总工程师  
Chief Engineer, SAIC Motor Co., Ltd



10:50-11:10  
**刘波 先生 / Mr. Liu Bo**  
长安汽车副总裁兼汽车工程研究总院院长  
Vice President of Changan Automobile Group,  
President of Changan Global Research and Development Center



11:10-11:30  
**奥平总一郎 先生 / Mr. Soichiro Okudaira**  
丰田汽车公司专务, 丰田研发中心(中国)有限公司(TMEC) 副董事长兼总经理  
Senior Managing Officer, China / Asia / Oceania CTO, Toyota



11:30-11:50  
**刘骏 先生 / Mr. Liu Jun**  
百度副总裁  
Baidu Vice President

## A01: 中国汽车科技创新 Science & Technology Innovation for Chinese Automotive

**时间及地点 / Date & Venue:** 2016年10月27日 09:00-11:00, 南展厅全体大会区  
09:00-11:00 Oct. 27, Conference Zone, South Exhibition Hall

**协办单位 / Co-organizer:** 中国第一汽车集团公司技术中心  
China FAW Group Corporation R&D Center

### 简介 / Introduction :

近年来, 中国工程院组织完成了《制造强国战略研究》、《工业强基战略研究》、《中国制造 2025》等国家重大咨询项目, 作为国家重要的思想库, 从把握科技趋势、研判中国汽车工程科技发展方向角度, 为国家科技决策提供了前瞻建议。院士论坛由中国汽车工程学会与中国第一汽车股份有限公司技术中心共同发起并承办, 旨在定期向汽车行业发布中国工程院与汽车产业相关的一些研究成果。院士论坛是中国工程院院士们发表创新思维的大舞台, 是中国工程院与中国汽车科技融合的平台。

院士论坛将成为每年中国汽车工程学会年会的重要专题分会, 将是中国汽车工程学会年会学术活动的创新亮点。第一届院士论坛将聚焦中国汽车低碳化系统工程, 邀请国内知名企业、科研院所的工程院院士, 就中国汽车科技创新的热点、难点, 如绿色制造、汽车轻量化、低碳技术为论坛话题, 启迪智慧, 广泛交流, 为中国汽车工业实现全生命周期的低碳转型战略, 提出技术发展路线图, 包括产品诞生的工业环境和商品使用的社会环节。

Recently Chinese Academy of Engineering (CAE) organized a series of significant national consulting projects, such as Strategy research for manufacturing strong Nation, Strategy Research for Industrial Fundamentals, Made in China 2025, etc. as the national Think Tank, which will propose frontier suggestions, from view point of judging the development directions and trends of Chinese Automotive Engineering science and technologies, CAF is co-organized by SAE-China and China FAW Corporation Limited R&D centre, CAF aims at issuing research achievement regarding automotive industry from CAE, CAF acts as a big stage for academicians of CAE to release their innovative thinking, as a platform for the fusion of Chinese automotive science and technologies with wisdom of CAE.

CAF will become important part of special session of SAECCE, an innovative point for academic exchange of at SAE-China. First CAF will be focusing on abatement of automotive CO2, academicians from famous companies, institutes across China are invited, to discuss and release their thinking for the hottest innovative topics, such as green manufacturing, lightweight, low carbon technologies, etc, technology roadmaps will be presented, including the industrial environmental for automotive creation as well as the social environmental of utilizing of automobiles as mobility goods.

### 议题 / Topics :

- 汽车轻量化技术
- 智能制造技术
- 低碳汽车技术和动力总成技术
- Lightweight technology
- Intelligent Manufacturing
- Low carbon technologies and low carbon powertrain

### 日程 / Agenda:



主席 / Chairperson:  
**李骏 院士 / Academician. Prof. Li Jun**  
一汽集团副总工程兼技术中心主任  
Vice Chief Engineer of China FAW, President of China FAW R&D Centre

### 演讲嘉宾 / Speakers:



09:00-09:30  
**郭孔辉 院士**  
**Academician. Prof. Guo Konghui**  
吉林大学汽车学院荣誉院长  
Honorary Dean of Automotive Engineering, Jilin University



09:30-10:00  
**钟志华 院士**  
**Academician. Prof. Zhong Zhihua**  
中国工程院秘书长  
Secretary General, CAE



10:00-10:30  
**林忠钦 院士**  
**Academician. Prof. Lin Zhongqin**  
上海交通大学常务副校长  
Vice Dean, Shanghai Jiaotong University



10:30-11:00  
**李骏 院士**  
**Academician. Prof. Li Jun**  
一汽集团副总工程兼技术中心主任  
Vice Chief Engineer of China FAW, President of China FAW R&D Centre

### 形式 / Format:

技术演讲 (约 20 分钟 / 人 +10 分钟互动) Technical Presentations (about 20 minutes each+10 minutes Q&A)

## A02: 人工智能及自动驾驶 Artificial Intelligence & Automatic Driving

**时间及地点 / Date & Venue:** 2016年10月27日 13:30-15:30, 北展厅 A6 会议室  
13:30-15:30, Oct. 27, A6, North Exhibition Hall

### 简介 / Introduction :

AlphaGo 的胜利使得以深度学习为代表人工智能又一次成为媒体的焦点,而作为汽车人,我们更关注汽车智能水平的提升,关注汽车智能代替人类进行汽车驾驶的发展进程。相关预测显示,到2025年,具备自动驾驶功能的汽车约达23万辆。时间是如此的紧迫,而我们是否已经真正达到自动驾驶所需要的智能技术水平,这是我们需要认真探讨的问题。

在此背景下,本专题拟邀请人工智能及自动驾驶领域权威专家,围绕汽车的智能化技术提升路径进行交流,针对驾驶脑认知、汽车智能芯片设计与架构等核心内容展开讨论,让汽车更智能、更快速地理解道路交通环境,满足驾驶人的驾驶需求。

With the victory of AlphaGo, artificial intelligence, represented by deep learning, has become the focus of media again. As automobilers, we should pay more attention to the promotion of automobile intelligence level and the process of automobile intelligence in place of human. Related projections indicate that by 2025, about 230 thousand vehicles configure automatic driving function. However, time is so urgent, whether we are really reach the technical level which automatic driving required is we need to seriously discuss issues.

Based on this background, the subject intends to invite the expert in artificial intelligent and automatic driving field, mainly concerns on upgrade path for Intellectualized Technology of Automatic driving, the topic contains driver's brain cognition, automobile smart chip design and architecture, etc.. The object is to let the car more intelligent, more rapid understanding of road traffic environment, to meet the driver's driving needs.

### 议题 / Topics:

- 驾驶认知的形式化
- 深度学习与汽车智能
- 汽车智能芯片与自动驾驶
- The formalization of driving cognition
- Deep learning & Intelligent Vehicle
- Smart chips for Vehicle& Automatic Driving

### 日程 / Agenda:



主席 / Chairperson:

**李德毅 院士 / Academician.Prof. Li Deyi**

总参第61所, 中国工程院院士、欧亚科学院院士

CAE Academician, IASEA Academician, The Chinese People's Liberation Army, The General Staff 61

### 演讲嘉宾 / Speakers:



13:30-13:50

**李德毅 院士 / Academician.Prof. Li Deyi**

总参第61所, 中国工程院院士、欧亚科学院院士  
CAE Academician, IASEA Academician, The Chinese people's liberation army, The General staff 61



13:50-14:10

**余凯 先生 / Mr. Yu Kai**

地平线机器人技术, 创始人 &CEO  
Founder&CEO, Horizon Robotics Incorporated



14:10-14:30

**拟邀请英伟达**

NVIDIA Corporation



14:30-14:50

**颜水成 先生 / Mr. Yan Shuicheng**

(拟邀请 / TBD)

360 人工智能研究院  
Artificial Intelligence Research Institute, Qihoo 360

15:00-15:30 互动讨论 / Panel Discussion

## A03: 轮胎与汽车匹配技术 Tire and vehicle matching technology

**时间及地点 / Date & Venue:** 2016年10月27日 13:30-18:00, 2楼多功能大会议室  
13:30-18:00, Oct. 27, Multifunctional Conference Room, 2F, SAEC

**协办单位 / Co-organizer:** 吉林大学汽车仿真与控制国家重点实验室  
State Key Laboratory of Automotive Simulation and Control, Jilin University

### 简介 / Introduction :

轮胎是底盘的核心,其动力学特性对汽车的操纵稳定性、制动安全性、乘坐舒适性、动力性、经济性、NVH性能等都有重要影响。我国汽车自主开发起步较晚,在掌握基本的研发技术之后,工程师们普遍认识到系统深入的汽车动力学研究是冲击中高端车型的必备条件,而轮胎与汽车匹配技术又是其中最重要的内容。本专题分会将与业界同仁分享轮胎与汽车匹配技术最新成果,讨论轮胎与汽车匹配技术协同发展的策略。

Tire is the core of the chassis, which have a significant impact on the dynamics of handling stability, braking safety, comfort, power, economy and the NVH performance of the car. Automobiles developed by our country started late, after the engineers have mastered the basic R & D technology, engineers generally recognized in-depth study of the dynamics of the car is a prerequisite for high-end models of the car, and tire and auto matching technology is one of the most important content. In this session we will share the latest technology achievements of the tire and automotive matching technology with my industry colleagues, and we will also discuss the collaborative development strategy of this technology.

### 日程 / Agenda:



**主席 / Chairperson:**  
**郭孔辉 院士**  
**Academician. Prof. Guo Konghui**  
吉林大学汽车学院荣誉院长  
Honorary Dean of Automotive Engineering, Jilin University



**主持嘉宾 / Moderator:**  
**卢荡 教授 / Prof. Lu Dang**  
吉林大学汽车仿真与控制国家重点实验室轮胎力学研究室主任  
Director of Tire Dynamics Group, State Key Laboratory of Automotive Simulation and Control, Jilin University

### 演讲嘉宾 / Speakers:



13:30-13:50  
**底盘性能与轮胎匹配**  
Chassis Performance and Tire Matching  
**梁国基 博士 / Dr. Liang Guojie**  
北汽福田汽车股份有限公司总工程师兼底盘部部长  
Chief Engineer, Chassis Department Director



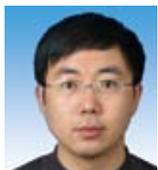
13:50-14:10  
**整车性能开发中的轮胎匹配**  
Tire Matching in Vehicle Performance Development  
**杨万安 博士 / Dr. Yang Wan'an**  
泛亚汽车技术中心有限公司高级经理  
Senior Manager, the Pan Asia Technical Automotive Center Co., Ltd.



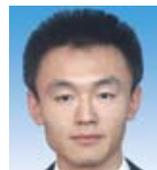
14:10-14:30  
**轮胎与汽车匹配的关键技术**  
Key Technology of Tire and Vehicle Matching  
**卢荡 教授 / Prof. Lu Dang**  
吉林大学汽车仿真与控制国家重点实验室轮胎力学研究室主任  
Director of Tire Dynamics Group, State Key Laboratory of Automotive Simulation and Control, Jilin University



14:30-14:50  
**汽车开发对于轮胎的性能要求**  
Requirements of Tire Performance in the Car Development  
**金凌鸽 博士 / Dr. Jin Lingge**  
中国第一汽车股份有限公司技术中心主任工程师  
Senior Engineer, FAW Technical Center



14:50-15:10  
**轮胎汽车匹配的测试技术**  
Tire Testing Technology of Tire Matching Technology  
**欧阳涛 先生 / Mr. Ouyang Tao**  
中汽中心盐城汽车试验场有限公司副总经理  
Deputy Manager of Yancheng Automobile Proving Ground



15:10-15:30  
**UniTire 轮胎模型及轮胎力学特性测试方法**  
UniTire and Test Methods of Tire Mechanical Properties  
**许男 博士 / Dr. Xu Nan**  
吉林大学讲师  
Lecturer, Jilin University



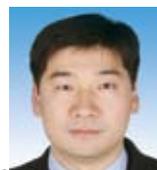
15:50-16:10  
**力学性能——轮胎与整车的桥梁**  
Mechanical Properties—the Bridge Between Tire and Vehicle  
**王英麟 先生 / Mr. Wang Yinglin**  
广州孔辉汽车科技有限公司技术副总监  
Vice President of Technology, Konghui Guangzhou Automobile Technology Co.



16:10-16:30  
**轮胎不均匀性对整车跑偏影响的仿真研究**  
Uniformity of Tire Affects the Simulation of Vehicle Deviation  
**孙丽红 博士 / Dr. Sun Lihong**  
佳通轮胎(中国)研发中心高级经理  
Senior Manager, GITI Tire (China) R&D Center



16:30-16:50  
**基于魔术公式的轮胎特征函数计算方法**  
Tire Characterizing Function Computation Method Based on Magic Formula  
**王先云 博士 / Dr. Wang Xianyun**  
华晨汽车工程研究院车辆动力学资深工程师  
Senior Vehicle Dynamics Engineer, Brilliance Automotive Engineering Research Institute



16:50-17:10  
**轮胎噪音仿真分析在设计中的应用**  
Noise Simulation in Tire Design  
**李忠柱 先生 (韩国)**  
**Mr. Lee Chongju (Korean)**  
青岛沃瑞轮胎有限公司总经理  
General Manager, Qingdao Woori Tire Co., Ltd.

### 形式 / Format:

茶歇 Coffee Break 15:30-15:50  
互动讨论 (约45分钟) Panel Discussion (about 45 minutes)

## A04: 车辆动力学 Vehicle Dynamics

**时间及地点 / Date & Venue:** 2016年10月28日 09:00-11:30, 2楼多功能大会议室  
09:00-11:30, Oct. 28, 2016 Multifunctional Conference Room, 2F, SAEC

**协办单位 / Co-organizer:** 吉林大学  
Jilin University

**主题 / Theme:** 高品质汽车开发技术

### 简介 / Introduction :

车辆动力学性能(包括操纵稳定性、乘坐舒适性、动力加速性和制动安全性)是汽车的核心竞争力,车辆动力学技术是我国汽车工业实现底盘自主开发,形成国际竞争力的重要共性核心技术,包括车辆动力学建模、仿真、试验测试及评价、控制等关键理论与技术方法,是底盘集成匹配的重要支撑。本专题分会将主要讨论其中的关键理论方法和开发技术。

Vehicle dynamics (including handling stability, ride comfort, acceleration and braking) is the key competitive point of the car. Vehicle dynamics technology is important public key technology for our country automobile industry to achieve chassis independent development and improve international competitiveness. It includes the key theory and technology methods of vehicle dynamics modeling, simulation, test and evaluation. It is the significant support of chassis integrated matching. This session will mainly discuss the key technologies.

### 议题 / Topics:

- 车辆运动动力学的建模与仿真技术, 讨论如何建立高精度车辆动力学模型, 及如何利用车辆动力学模型支撑底盘开发?
- 车辆动力学性能开发及试验测试方法, 讨论车辆动力学性能的分解、优化匹配, 整车性能及总成特性的试验测试方法?
- 车辆动力学性能的主观评价技术, 讨论主观评价方法及其在底盘开发中的作用?
- 车辆动力学控制技术, 讨论车辆动力学控制理论及方法, 车辆动力学控制匹配、试验及评价技术?
- Vehicle dynamics modeling and simulation technology. To discuss how to establish a high accuracy of vehicle dynamics model, and how to use the vehicle dynamics model to support the development?
- The vehicle dynamics performance and test method. To discuss the decomposition, optimization and matching of the vehicle dynamic performance, and the test method of vehicle performance and assembly feature?
- The subjective and objective evaluation of the vehicle dynamics performance technology. To discuss the subjective and objective evaluation method and its role in the development?
- Control of vehicle dynamics. To discuss the theory and methods of vehicle dynamics control, and integration, test and evaluation of the vehicle dynamics control.

### 日程 / Agenda:



名誉主席 / Chairperson:  
**郭孔辉 院士**  
Academician. Prof. Guo Konghui  
吉林大学汽车学院荣誉院长  
Honorary Dean of Automotive Engineering, Jilin University



主席 / chairperson:  
**管欣 教授 / Prof. Hsin Guan**  
吉林大学汽车研究院院长  
Jilin University

### 演讲嘉宾 / Speakers:



09:00-09:25  
**汽车摩擦制动与电磁制动的系统集成和协调控制**  
System Integration and Coordinated Control of Frictional Brake and Electromagnetic Brake of Vehicle  
**何仁 教授 / Prof. He Ren**  
江苏大学江苏省汽车工程重点实验室主任  
Jiangsu University



09:25-09:50  
**基于虚拟驾驶的汽车高品质性能研究**  
Research on Vehicle Performance Development Based on Virtual Driving  
**史建鹏 博士 / Dr. Shi Jianpeng**  
东风汽车公司技术中心副部长  
Dongfeng Automobile Company



09:50-10:15  
**基于拓扑学的五连杆独立后悬架研发的整体性方法**  
Topology Development of A 5-Link Independent Rear Suspension  
**Armin Zuber 博士 / Dr. Armin Zuber**  
本特勒底盘先进技术研发部门经理  
BENTELER Automobiltechnik GmbH



10:15-10:40  
**车辆动力性能目标分解**  
Target Cascading of Vehicle Dynamics Performance  
**董益亮 博士 / Dr. Dong Yiliang**  
重庆长安汽车股份有限公司动力性能主任工程师  
Changan Automobile Company



10:40-11:05  
**面向中国制造 2025 的汽车技术发展**  
The Automotive Technology Development Faced to "Made in China 2025"  
**赵林峰 副教授 / Asso. Prof. Zhao Linfeng**  
合肥工业大学  
Hefei University of Technology



11:05-11:30  
**驾驶模拟器驱动的汽车品质开发关键技术**  
Key Development Technology of Vehicle Quality Driven by Driving Simulator  
**詹军 教授 / Prof. Zhan Jun**  
吉林大学汽车仿真与控制国家重点实验室  
Jilin University

# 专题分会 Special Sessions

## S01: 先进动力总成技术 Advanced Powertrain Technology

时间及地点 / Date & Venue: 2016年10月26日 13:30–18:00, 北展厅 A1 会议室  
13:30–18:00, Oct. 26, A1, North Exhibition Hall

### 日程 / Agenda:



主席 / Chairperson:  
**李理光 教授 / Prof. Li Liguang**  
同济大学  
Tongji University

### 演讲嘉宾 / Speakers



汽车摩擦学概述和未来发展趋势：表面工程和材料对先进动力总成技术的影响  
Automotive Tribology Overview and Future Development Trends – Effects of Surface Engineering and Material on Advanced Powertrain Technologies  
**董静宇 博士 / Dr. Simon C. Tung**  
美国润滑油高级资深专家  
Tung Innovation Technology Consulting Inc.



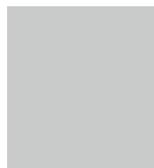
国 VI 排放控制后处理技术  
Aftertreatment Technology for China-VI Emission Control  
**刘征 先生 / Mr. Liu Zheng**  
中自环保科技股份有限公司  
Sinocat Environmental Technology Co., Ltd.



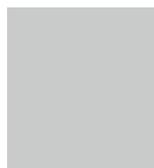
吉利新一代直喷增压发动机技术  
**沈源 博士 / Dr. Shen Yuan**  
吉利汽车公司动力总成研究院副院长  
Vice President, Geely Powertrain Research Institute



低摩擦润滑油技术  
昆仑润滑油



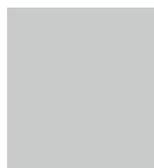
清洁燃烧发动机的先进点火技术  
Advanced Ignition Technologies for Clean Combustion Engine  
**郑明 教授 / Prof. Zheng Ming**  
温莎大学  
University of Windsor



未来动力总成系统的检测与验证  
Testing and Validation of Future Powertrains  
**Prof. Dr.-Ing. Jakob Andert**  
亚琛工业大学  
RWTH Aachen University, Institute for Combustion Engines



燃油对汽车排气的影响  
Fuel Impact on Tail Pipe Emissions  
**守谷荣记 先生 / Mr. Hidenori MORIYA**  
丰田汽车公司  
Toyota Motor Corporation



发动机润滑油的燃油经济性检测  
Fuel Economy Measurements of Engine Lubricants  
**Tono Nasch 博士 / Dr. Tono Nasch**  
艾斯匹润滑剂测试有限公司 CEO 及总裁  
CEO & President of ISP

### 邀请中待定:

通用中国技术中心 (上海), 主讲: 车用高效变速器技术  
里卡多公司

### 形式 / Format:

茶歇 Coffee Break 15:30–15:50

主题演讲 (约 25 分钟 / 人) Technical Presentations (about 25 minutes each)

互动讨论 (约 20 分钟) Panel Discussion (about 20 minutes)

## S02: 混动专用变速器 DHT 技术交流会 Dedicated Hybrid Transmission (DHT)-Cost Optimized Hybrid Transmission

**时间及地点 / Date & Venue:** 2016 年 10 月 26 日 13:30-15:30, 北展厅 A2 会议室  
13:30-15:30. Oct. 26, A2, North Exhibition Hall

### 简介 / Introduction :

日趋严格的油耗法规背景下, 动力总成电气化已成为满足法规的一个主要解决方案。

纵览当今各电气化动力总成解决方案, 变速器已成为了集成第二动力源(电机)的最佳位置。除了丰田早期投放市场的专用混动变速器外, 目前市场中大部分混动变速器仍为基于传统变速器加装电驱动模块的拓展式混动变速器。随着混动车辆需求的日益增长, 混动专用变速器 DHT 将会逐渐体现出性能及成本上的优势。

### 议题 / Topics :

- DHT 是否适合于中国市场?
- 何时是 DHT 产品开发的最佳时机?
- DHT 的技术方案有哪些?

### 日程 / Agenda:

拟邀请主席 / Chairperson:

**Dr. Frank Beste**

李斯特技术中心(上海)有限公司总经理  
Vice-president, NACSAE

拟邀请演讲嘉宾 / Speakers to be invited:

丰田汽车: THS  
GKN: E-Transmission  
科力远: CHS  
AVL - Future Hybrid

### 形式 / Format:

技术演讲(约 20 分钟/人) Technical Presentations (about 20 minutes each)  
互动讨论(约 40 分钟) Panel Discussion (about 40 minutes)  
DHT 样机展示



## S04: OBD 法规体系及排放监管的应用趋势 OBD Regulatory System and the Application Trend of Emission Control

**时间及地点 / Date & Venue:** 2016 年 10 月 26 日 13:30-15:30, 北展厅 A3 会议室  
13:30-15:30. Oct. 26, A3, North Exhibition Hall

**协办单位 / Co-organizer:** 北美华人汽车工程师协会, 中国汽车工程学会汽车环境保护技术分会  
NACSAE (North America Chinese Society of Automotive Engineers)  
Environmental Protection Technology Committee of SAE-China

### 简介 / Introduction :

迫于环境形势的压力, 世界排放法规迎来新一轮排放法规的升级; 其中车辆的后期监管将成为车辆排放控制的重点, OBD 作为后期监管的主要手段之一, 如何有效的利用, OBD 的发展趋势等成为未来的主题。

Under pressure from the environment of the situation, the world ushered in upgrading of a new round of emission regulations; the vehicle emission supervision will be the focus and OBD as one of the main means, how to effectively use OBD and OBD development trend will become subject in the future.

### 议题 / Topics :

- 欧美日韩 OBD 最新排放法规及未来趋势介绍
- 在用车 OBD 实时监控和故障诊断
- 美国 OBD 监管防作弊技术手段及处罚案例
- 中国 OBD 法规和监管的借鉴 (互动话题)
- Europe, the United States, Japan and South Korea OBD latest emission regulations and the introduction of the future trend
- OBD real time monitoring and fault diagnosis of in-use vehicle
- OBD anti cheating technical means and punishment case in the United States
- Reference of China OBD regulation and supervision(discussion)

### 日程 / Agenda :



主席 / Chairperson:  
**董愚 博士 / Dr. Dong Yu**  
北美华人汽车工程师协会副会长  
Vice-president, NACSAE



主席 / Chairperson:  
**方茂东 先生 / Mr. Fang Maodong**  
中国汽车工程学会汽车环境保护技术分会执行主席  
Executive Chairman, Environmental Protection Technology  
Committee of SAE-China

### 演讲及互动讨论嘉宾 / Speakers and Panelists :



13:30-13:55  
**湛日景 博士 / Dr. Reggie-Zhan**  
美国西南研究院  
Southwest Research Institute in USA



13:55-14:20  
**Paul Baltusis 博士 / Dr. Paul Baltusis**  
福特公司研发工程中心动力总成 OBD 技术负责人  
OBD Technical Leader Powertrain Engineering Ford Research  
& Engineering Center



14:20-14:45  
**李孟良 先生 / Mr. Li Mengliang**  
中国汽车技术中心首席专家, 中国环保产业协会机动车  
污染防治委员会秘书长



互动讨论嘉宾 / Panelists  
**葛蕴珊 教授 / Prof. Ge Yunshan**  
北京理工大学  
Beijing Institute of Technology

互动讨论 (约 40 分钟) Panel Discussion (about 40 minutes)

# 专题分会 Special Sessions

## S05: 混合动力及电动汽车关键技术 HEV & EV

时间及地点 / Date & Venue: 2016年10月26日 13:30-18:00, 北展厅 A4 会议室  
13:30-18:00. Oct. 26, A4, North Exhibition Hall

### 日程 / Agenda:



主持嘉宾 / Moderator:

**贡俊 先生 / Mr. Gong Jun**

电动汽车产业技术创新战略联盟技术电机专业委员会主任, 国家“十二五”电动汽车重点科技专项专家组专家, 上海电驱动股份有限公司总经理

Director of Motor Committee of China Industry Technology Innovation Strategic Alliance for Electric Vehicle; Motor Expert, New Energy Vehicle Team, National 863 Team; General Manager, Shanghai Edrive Co., Ltd.

### 演讲嘉宾 / Speakers:



13:30-13:50

**题目待定**

Topic to be Decided

日产(中国)投资有限公司

Nissan (China) Investment Co., Ltd.



13:50-14:10

**悦享电动——借助补贴鼓励用户零排放驾驶插电式混合动力汽车**  
eBenefit – Encouraging Emission-free PHEV Driving with Incentives

**罗阳博士 / Dr. Jan Romberg**

宝马中国研发中心高级经理, 中国动力总成实验室, 宝马(中国)服务有限公司

Senior Manager, Powertrain Lab China, Research & Development Center BMW, BMW China Services Ltd.



14:10-14:30

**新能源汽车技术发展趋势分析**

**刘明辉 博士 / Dr. Liu Minghui**

中国第一汽车股份有限公司技术中心电动车部部长

Director of Electric Vehicle Department, China FAW R&D Center



14:30-15:50

**郑显聪 先生 / Mr. Jack H.T. CHENG**

蔚来汽车公司联合创始人、执行副总裁, 蔚来驱动科技总裁

Co-Founder, Executive VP and XPT CEO, Nextev



15:50-16:10

**题目待定**

Topic to be Decided

电装公司

DENSO



16:10-16:30

**高性能电驱动系统解决方案**

Solution for High Performance E-drive System

**苑绍志 博士 / Dr. Yuan Shaozhi**

德国大陆集团动力总成事业部混合动力电动车业务单元亚洲区系统工程负责人

Head of System Engineering, Business Unit Hybrid Electric Vehicle, Asia, Powertrain Division, Continental AG



16:30-16:50

**低成本高效混动技术**

**Michael Miller 先生 / Mr. Michael Miller**

里卡多混合及电动系统副总裁



16:50-17:10

**博格华纳集成电驱动产品**

BorgWarner eGearDrive® integrated with Motor Solution

**霍梦帆 先生 / Mr. Herman Huo**

博格华纳(中国)投资有限公司应用工程经理

Manager, Application Engineering, BorgWarner (China) Investment Co., Ltd.

## S06: 汽车智能化工厂实践与展望 Practice and Prospects of Automotive Intelligent factory

**时间及地点 / Date & Venue:** 2016 年 10 月 26 日 13:30-18:00, 北展厅 A8 会议室  
13:30-18:00. Oct. 26, A8, North Exhibition Hall

**协办单位 / Co-organizer:** 机械工业第九设计研究院有限公司, 中国汽车工程学会工程建设与装备分会  
MI Ninth Design & Research Institute Co., Ltd.,  
Engineering & Equipment Committee of SAE-China

### 简介 / Introduction :

随着物联网、大数据和移动应用等新一轮信息技术的发展,全球化工业革命开始提上日程,工业转型开始进入实质阶段。在中国,智能制造、中国制造 2025 等战略的相继出台,表明国家开始积极行动起来,把握新一轮发展机遇实现工业化转型。智能工厂作为工业智能化发展的重要实践模式,已经引发行业的广泛关注。到底什么是智能工厂?智能工厂的核心架构是怎样的?能为企业的转型提供哪些支撑?汽车企业在智能化方面做了哪些探索?这都是企业比较关心的话题。

面对汽车工厂未来新的制造模式,九院作为中国汽车工程学会工程建设与装备技术分会理事单位,在此发起“汽车智能化工厂实践与展望”研讨会,旨在构建共同分享汽车工厂变革发展经验的交流平台,推动汽车工厂的智能转型,探讨行业未来发展的方向,寻求适合汽车智能工厂发展之路。

With the development of information technology on internet, big data, and mobile applications, globalization of the industrial revolution is on the agenda. Industrial restructuring starts to enter a substantive stage. In China, intelligent manufacturing and Chinese-made 2025 strategy were introduced. It show that the country have begun to act positively. to grasp the new round of development opportunities. Intelligent factory as an important practical model of intelligent industrial development, has been caused widespread concern in the industry. is intelligent factory? what is core architecture of intelligent factory? Which support can it provide for the restructuring of enterprises? what have auto companies been explored on Intelligent? These are more concerned about the topic.

Faced with car factory new manufacturing model in the future, Ninth Design Institute as branch of the governing unit of Automotive Engineering and construction equipment and technology, launched seminar on "Practice and Prospects of intelligent car factory " to build car factory communication platform to share development experience. and promote the transformation of intelligent automobile factory for finding the direction of future development of the industry to seek for automotive intelligent factory development path.

### 议题 / Topics :

- 智能化装备
- 工厂数字化设计
- 智能化对工艺影响
- 智能化物流
- 工厂管理智能化
- Intelligent Equipment
- Digital Design on Factory
- Intelligent Impact on Process
- Intelligent Logistics
- Intelligent Management on Factory

主席 / Chairperson:

**冯君霞 博士 / Dr. Feng Junxia**

机械工业第九设计研究院有限公司技术开发部部长  
MI Ninth Design & Research Institute Co., Ltd.

### 参与单位 / Company:

长城汽车股份有限公司  
Great Wall Motor Company Limited

浙江吉利控股集团有限公司  
Zhejiang Geely Holding Group Co., Ltd.

北京汽车股份有限公司  
Beijing Automotive Co., Ltd.

重庆力帆汽车有限公司  
Chongqing Lifan Automobile Co., Ltd.

一汽 - 大众汽车有限公司  
FAW - Volkswagen Automotive Co., Ltd.

上海大众汽车有限公司  
Shanghai Volkswagen Automotive Co., Ltd

奇瑞汽车股份有限公司  
Chery Automobile Co., Ltd.

宝马汽车中国有限公司 / 华晨宝马汽车有限公司  
BMW China Co., Ltd. / BMW Brilliance Automotive Ltd.

上海通用汽车有限公司  
Shanghai General Motors Co., Ltd

一汽轿车股份有限公司  
FAW Car Co., Ltd.

一汽解放汽车有限公司  
Faw Jiefang Automobile Co., Ltd.

新松机器人自动化股份有限公司  
New Song Robot & Automation Co., Ltd.

东风设计研究院有限公司  
Dongfeng Design and Research Institute Co., Ltd.

上海机电设计研究院有限公司  
Shanghai Electrical and Mechanical Design and Research Institute Co., Ltd.

启明信息技术股份有限公司  
Qiming Information Technology Co., Ltd.

英特工程仿真技术(大连)有限公司  
Intel Engineering Simulation Technology (Dalian) Co., Ltd.

# 专题分会 Special Sessions

## S07: 汽车产业与技术管理 Automotive Industry & Technology Management

时间及地点 / Date & Venue: 2016年10月26日 13:30-17:00, 2楼多功能大会议室东  
13:30-17:00, Oct. 26, Multifunctional Conference Room East, 2F, SAEC

协办单位 / Co-organizer: 清华大学汽车产业与技术战略研究院  
Tsinghua Automotive Strategy Research Institute (TASRI)

主题 / Theme: 跨界时代的技术发展: 智能升级与融合创新  
Technological Development in an Era of Automotive Crossover

### 简介 / Introduction :

在中国建设汽车强国的征途中, 技术战略决策能力和技术管理水平, 作为直接影响和保障核心技术攻关及应用效果的关键要素, 具有十分重要的意义。本专题分会将围绕着汽车强国建设及转型升级战略、产业技术战略及配套政策体系、对新兴行业与新技术手段的借鉴与融合、技术热点与趋势分析、企业技术策略与技术创新管理、自主研发的体系建设(流程完善、组织设计、人才培养、能力提升等)、产品开发流程与项目管理、技术应用及商业模式创新、关键技术的全生命周期分析与全价值链研究、以及技术战略及管理相关方法论研究等重要议题, 邀请来自产学研各方的企业高管和行业专家分享真知灼见, 以带动企业研发能力的提升, 促进行业整体技术水平的进步。

In the process of building China into a country with a strong automotive industry, technology strategic decision-making capability and technology management level are of great significance, for they are key factors that have a direct bearing on and guarantee breakthroughs and application effects of core technologies.

This special session will focus on critical issues such as the building of China into a country with a strong automotive sector and relevant strategies for automotive transformation and upgrading, industry technological strategies and supportive policy systems, integration of emerging industries and new technical means, technological hotspots and trend analysis, corporate technology strategy and technological innovation management, independent R&D system building (including process improvement, organizational design, talents cultivation and capability improvement), product development process and project management, technical application and innovation of business models, all-life-cycle analysis and full-value-chain study of key technologies as well as research on methodologies related to technology strategy and management.

To this end, we invite corporate executives and industry experts from the industry, universities and research institutes to share their deep insights in an effort to stimulate the improvement of corporate R&D capacity and promote the overall technological progress of the industry.

### 日程 / Agenda :



主席 / Chairman:  
**赵福全 教授 / Prof. Frank Zhao**  
清华大学汽车产业与技术战略研究院院长  
President, Tsinghua Automotive Strategy Research Institute (TASRI)



主持嘉宾 / Moderator:  
**刘宗巍 副教授 / Asso. Prof. Liu Zongwei**  
清华大学汽车产业与技术战略研究院  
Tsinghua Automotive Strategy Research Institute (TASRI)

### 演讲嘉宾 / Speakers:



13:30-13:55  
**制造技术规划编制策略**  
Strategy for the Formulation of Manufacturing Technology Planning  
**邹恒琪 女士 / Ms. Zou Hengqi**  
东风汽车公司副总工程师  
Deputy Chief Engineer of Dongfeng Motor Corporation



13:55-14:20  
**为用户打造有情感的汽车**  
Shape the Joyful Lifestyle  
**黄晨东 先生 / Mr. Huang Chendong**  
蔚来汽车副总裁  
Vice President of NextEV Corporation



14:20-14:55  
**工业 4.0 前景下的汽车供应商升级战略**  
Industry 4.0 for Automotive Supplier  
**徐大全 博士 / Dr. David Xu**  
博世中国执行副总裁  
Executive Vice President of Bosch China



14:55-15:20  
**范式转变: 非线性打击与超越追赶**  
Paradigm Shift: Nonlinear Attack and Beyond Catch-up  
**吴晓波 教授 / Prof. Wu Xiaobo**  
浙江大学管理学院院长  
Dean of School of Management, Zhejiang University



15:40-16:05  
**罗兰贝格全球智能车指数 2016 Q3**  
Automated Vehicles Index 2016 Q3  
**张君毅 先生 / Mr. Zhang Junyi**  
罗兰贝格全球合伙人  
Global Partner of Roland Berger Enterprise Management (Shanghai) Co., Ltd.



16:05-16:30  
**跨界与融合: 汽车技术管理体系创新思考**  
Crossover and Integration: Innovative Thinking on Automotive Technology Management Systems  
**何伟 先生 / Mr. He Wei**  
盖斯特咨询公司总裁  
CEO of GAST Strategy Consulting, LLC

茶歇 Coffee Break 15:20-15:40

互动讨论 (约 30 分钟) Panel Discussion (about 30 minutes)

## S08: 碰撞实验技术及中国人体碰撞实验假人 The Crash Test Technology and Test Dummy in Chinese Body Size

**时间及地点 / Date & Venue:** 2016年10月26日 13:30-15:30, 2楼1号会议室  
13:30-15:30, Oct. 26, Meeting Room 1, 2F, SAEC

**协办单位 / Co-organizer:** 湖南大学汽车车身先进设计制造国家重点实验室  
State Key Laboratory of Advanced Design and Manufacture for Vehicle Body of Hunan University

### 简介 / Introduction :

随着碰撞试验技术的发展,当前的部分碰撞试验方法存在一些问题,如何更好地进行碰撞试验测试是当前需要考虑的一个问题。此外,当前汽车碰撞试验中采用的混 III 50 百分位假人是基于欧美人体开发的,将其直接用于我国各领域的测试中无法正确反映中国人体乘员动态响应和损伤响应,直接采用混 III 假人进行测试评价会导致开发出来的乘员约束系统不能对中国人体实现最佳保护。本专题分会将集中讨论当前碰撞实验技术的发展和采用中国人体碰撞实验假人进行测试的必要性。

With the development of crash test technology, there are disadvantages in the current crash test methods for the current request. How to conduct the crash test better is an emergency question. Besides that, the current Hybrid III 50th dummy used in crash test was designed based on the body size of European people. There are some limitations when using the current dummy in the tests in different fields. It can't represent the correct dynamic response and injury response of Chinese occupant. Also, the restraint system can't provide the best protection performance for the Chinese occupant. This session will focus on the development of crash test technology and the necessity of using the dummy in Chinese body size in different test.

### 议题 / Topics:

- 新碰撞实验技术和方法有哪些?
- 当前碰撞实验技术和方法存在哪些不足?
- 中国人体碰撞实验假人与现有混 III 假人的区别会是什么?
- 中国是否需要使用中国人体碰撞实验假人来进行测试?有何困难?应采取什么步骤?
- What is the new crash test technology?
- What are the deficiency of the current crash test methods?
- What is the difference between the Hybrid III dummy and Chinese dummy?
- Is it necessary to use the Chinese dummy to conduct the test? What is the difficult and the countermeasure?

### 日程 / Agenda:



主席 / Chairperson:  
**周启峰 教授 / Prof. Clifford Chou**  
美国密歇根韦恩州立大学  
Wayne State University, Detroit, Michigan USA

### 演讲嘉宾 / Speakers:



13:30-13:55  
**未来碰撞测试方法及新采用假人**  
Future Crash Test Methodologies and Emerging ATDs  
**周启峰 教授 / Prof. Clifford Chou**  
美国密歇根韦恩州立大学  
Wayne State University, Detroit, Michigan USA



13:55-14:20  
**典型交通事故中碰撞数据获取的新技术和新方法研究**  
The Technology and Method for Obtaining the Crash Data in Typical Traffic Accident  
**尹志勇 教授 / Prof. Yin Zhiyong**  
第三军医大学  
Third Military Medical University



14:20-14:45  
**下一代正面碰撞假人 THOR-M 介绍**  
Introduction of THOR-M  
**赵友梅 女士 / Ms. Zhao Youmei**  
奇瑞汽车高级工程师  
Chery Automotive Company



14:45-15:10  
**中国人体假人及其应用研究**  
The Design and Application of Chinese Dummy  
**曹立波 教授 / Prof. Cao Libo**  
湖南大学  
Hunan University

互动讨论 (约 20 分钟) Panel Discussion (about 20 minutes)

## S09: 汽车碰撞中乘员损伤生物力学与行人保护 Occupant Injury Biomechanics & Pedestrian Protection in Vehicle Collision

时间及地点 / Date & Venue: 2016年10月26日 15:50-18:00, 2楼1号会议室  
15:50-18:00, Oct. 26, Meeting Room 1, 2F, SAEC

协办单位 / Co-organizer: 华南理工大学  
South China University of Technology

### 简介 / Introduction:

针对汽车碰撞中乘员损伤生物力学及行人保护的研究越来越受到国内外研究学者的高度关注。国外诸多科研机构,如丰田、福特、弗吉尼亚大学、韦恩州立大学等早在二十世纪七十年代就已经开展该领域的研究,现阶段已在汽车安全领域取得重大突破,并成功应用在汽车研发与改进中。国内在汽车安全相关的生物力学方面起步较晚,华南理工大学、湖南大学、天津科技大学等是第一批针对该课题开展深入探讨的高校。华南理工大学已成功开发第一例具有中国50百分位人体尺寸的整人模型,并在吉利汽车等相关汽车得到成功应用,创立了特有的科研品牌。如今该研究课题受到国内业界越来越多的关注,多家科研院所投身其中,尝试将人体损伤生物力学与汽车结构安全、安全性虚拟评价、交通事故再现等内容相结合,积极与国外科研单位、国内知名整车企业谋求合作,打造产学研一体生态链,期间得到国家大力支持,取得丰硕成果,形成了初具规模的科研力量。适时发布、交流科研成果有助于进一步促进该领域的发展,提升自身科研水平,扩大其影响范围,故申请“汽车碰撞中乘员损伤生物力学与行人保护”专题分会。

围绕该课题,申请组织专题分会集中讨论以下方面的问题:生物力学建模;损伤机理研究;基于人体损伤生物力学的汽车碰撞安全虚拟评价

The research on occupants' injury biomechanics and pedestrian protection in collision is attracting more and more attention since it was launched in 1970's, which was started from Wayne State University, University of Virginia, Ford Motor Company. The developed human models are being applied into automobile R&D. Chinese research institutions started in 1990's, which were represented by South China University of Technology, Hunan University, Tianjin University of Science and Technology. The CHUBM with 50th percentile male size (M50) project started in 2006, conducted by a research team of South China University of Technology. Injury biomechanics is a new branch of automobile safety, combined with structure optimization, safety virtual evaluation, traffic accident reconstruction.

Around the issue, the following problems will be discussed: Biomechanical model developing; research on injury mechanism; automobile crash safety virtual evaluation based on human injury biomechanics.

### 日程 / Agenda:



主席 / Chairperson:  
**兰凤崇 教授 / Prof. Lan Fengchong**  
华南理工大学  
South China University of Technology

### 拟邀请演讲嘉宾 / Speakers to be invited:



15:50-16:05  
**人体损伤生物力学研究最新进展**  
The Latest Research Progress on Human Injury Biomechanics  
**阮世捷 先生 / Mr. Jesse Ruan**  
美国福特汽车公司高级工程师  
Senior Engineer, Ford Motor Company



16:05-16:20  
**中国3岁儿童生物力学模型开发**  
The Development of Chinese 3-year-old Child Biomechanical Model  
**李海岩 教授 / Prof. Li Haiyan**  
天津科技大学  
Tianjin University of Science & Technology



16:20-16:35  
**机动车与行人碰撞人体损伤特点分析**  
Characteristics Analysis of the Collisions Between the Motor Vehicles and the Pedestrians  
**李冬日 先生 / Mr. Li Dongri**  
南方医科大学, 广东省交通事故鉴定工程技术研究中心研究员  
Associate Research Fellow, Center of Forensic Science Southern Medical University/Guangdong Provincial Technology Research Center of Traffic Accident Identification Engineering



16:35-16:50  
**基于活体动物试验的儿童约束系统对胸部损伤风险研究**  
**韩勇 副教授 / Asso. Prof. Han Yong**  
厦门理工学院  
Xiamen University of Technology



16:50-17:05  
**中国男性五十百分位生物力学模型开发与应用**  
The Development and Application of Chinese Human Body Model- Male 50 Percentile (CHUBM-M50)  
**兰凤崇 教授 / Prof. Lan Fengchong**  
华南理工大学  
South China University of Technology

互动讨论 (约30分钟) Panel Discussion (about 30 minutes)

## S10: 电动汽车整车及电池安全技术研讨会 Safety technology of electric vehicle and battery

**时间及地点 / Date & Venue:** 2016年10月27日 09:00-12:00, 北展厅 A4 会议室  
09:00-12:00, Oct. 27, A4, North Exhibition Hall

**协办单位 / Co-organizer:** 电动汽车产业技术创新战略联盟  
China Industry Technology Innovation Strategic Alliance for Electric Vehicle (CAEV)

### 简介 / Introduction :

近年来,随着新能源汽车保有量的快速增长,电动汽车整车及电池安全问题受到行业的日益关注,电动汽车整车安全设计、电池成组技术、电池规格化等问题不断显现,本专题分会将对电动汽车整车安全设计、电池成组技术、电池规格化等内容进行讨论。

In recent years, much more attention has been paid to safety problems of electric vehicle and battery as the rapid growth in new energy vehicle ownership, EV safety design, Battery pack technology, Battery normalization and other problems appear constantly. This session will have a discussion around the topics of EV safety design, Battery pack technology, and Battery normalization.

### 议题 / Topics:

- 面向整车安全层面的电池系统安全设计问题有哪些?
- 电池单体一致性筛选技术、电池模块及系统安全设计?
- 电池系统成组技术有哪些? SOC 精度估计、热管理、电池热失控管理等?
- 电池规格化问题?
- What are the problems of battery system safety design from the view of vehicle safety?
- Cell conformity classification technology, safety design on battery module and battery system?
- What are the Battery pack technologies? SOC precision estimation, thermal management, thermal runaway management?
- Battery normalization?

### 日程 / Agenda:



主席 / Chairperson:  
**肖成伟 / Mr. Xiao Chengwei**  
中电 18 研究所, 电动汽车联盟电池专委会 主任  
CETC 18, Director, Battery Special Committee of CAEV

### 拟邀请演讲嘉宾 / Speakers to be invited:

09:00-09:20

**电动汽车整车及电池功能安全系统化设计**  
Safety and Systematic Design of EV and Battery  
特斯拉或宝马  
Tesla or BMW

09:20-09:40

**电动汽车整车及电池功能安全系统化设计**  
Safety and Systematic Design of EV and Battery  
比亚迪  
BYD

09:40-10:00

**动力电池安全设计技术**  
Safety Design Technology of Battery  
三星电池  
Samsung

10:00-10:20

**动力电池安全设计技术**  
Safety Design Technology of Battery  
CATL  
CATL

10:20-10:40

**动力电池衰减及热失控机理研究**  
Research on Battery Attenuation and Thermal Runaway Mechanism  
清华大学  
Tsinghua University

10:40-11:00

**电池规格化问题研究**  
Research on Battery Normalization

互动讨论 (约 45 分钟) Discussion (about 45 minutes)

# 专题分会 Special Sessions

## S11: 面向中国制造 2025 的汽车数字化开发 Vehicle Digital Development

时间及地点 / Date & Venue: 2016 年 10 月 27 日 09:00-12:00, 北展厅 A8 会议室  
09:00-12:00, Oct. 27, A8, North Exhibition Hall

### 简介 / Introduction :

《中国制造 2025》将节能汽车与新能源汽车技术放在同等战略高度。随着新技术的涌现,汽车仿真技术面临新的挑战,本专题分会将对新技术变革时期的汽车数字化仿真技术进行讨论。

In 2015, Chinese government published the policy of Made in China 2025 which is the top design of manufacturing industry and this is making new demand on automotive industry. What kind of opportunities and challenges will be met by automotive digital technology? What's the development direction and thoughts of digital technology? This session will discuss on the automotive digital technology in the new technology changing period.

### 议题 / Topics:

- 面向中国制造 2025 的汽车数字化开发内容有哪些?
- 电动车和混合动力汽车开发中,多物理场耦合技术如何发挥作用?
- 汽车行业大规模并行计算的发展趋势?
- 新技术、新材料在数字化技术中如何发挥作用?
- What's the content of automotive digital development facing Made in China 2025?
- In the development of electric vehicle and hybrid electric vehicle, how does the multi-physics coupling technology play a role in that?
- What's the developing tendency of massively parallel computation of automobile industry?
- How do the new techniques and new material playing a role in the digital technology?

### 日程 / Agenda:



主席 / Chairperson:  
**周舟 博士 / Dr. Zhou Zhou**  
中国汽车工程研究院股份有限公司副总经理  
Deputy General Manager, China Automotive Engineering Research Institute Co.,Ltd.



主席 / Chairperson:  
**Sandeep Sovani 博士**  
**Dr. Sandeep Sovani**  
ANSYS 全球汽车业总监  
Director of the Global Automotive Industry, ANSYS

### 演讲嘉宾 / Speakers:



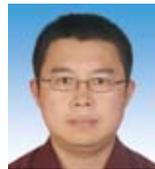
09:00-09:25  
**汽车数字化仿真的机遇与挑战**  
Chances and Challenges of Digital Simulation in Vehicle Development  
**陈嘉全 博士 / Dr. Chen Jiaquan**  
中国一汽集团技术中心, 整车性能总监  
Director, FAW R&D Center



09:25-09:50  
**使用多物理场仿真加速电动及混合动力汽车开发**  
Accelerate the Development of Electric and Hybrid Vehicles Using the Multi Physical Field Simulation  
**Sandeep Sovani 博士**  
**Dr. Sandeep Sovani**  
ANSYS 全球汽车业总监  
Director of the Global Automotive Industry, ANSYS



09:50-10:15  
**CAE 技术应用发展的现状和趋势**  
The Current Situation and Trend for the Application of CAE Technology  
**陈赣 博士 / Dr. Chen Gan**  
东风汽车公司, 副总工程师  
Deputy Chief Engineer, Dongfeng Motor Corporation



10:15-10:40  
**汽车行业大规模并行计算的发展趋势**  
Development Trend of Large Scale Parallel Computing in Automotive Industry  
**么石磊 博士 / Dr. Yao Shilei**  
北京并行科技有限公司方案总监  
Solution Director, Beijing Paratera Technology Co.,Ltd.



10:40-11:05  
**测量技术和 CFD 仿真在发动机燃烧技术开发中的应用**  
Application of Measurement Technique to the Combustion Development Using CFD  
**Sachio MORI 博士 / Dr. Sachio MORI**  
丰田汽车公司发动机先进技术工程部主管  
Group Manager (Advanced Engine Design & Engineering Div.), TOYOTA Motor Corporation



11:05-11:30  
**面向中国制造 2025 的汽车数字化开发**  
The Digital Development of Automobile for China Manufacturing 2025  
**周舟 博士 / Dr. Zhou Zhou**  
中国汽车工程研究院股份有限公司副总经理  
Deputy General Manager, China Automotive Engineering Research Institute Co.,Ltd.

### 形式 / Format:

技术演讲 (约 20 分钟 / 人 +5 分钟互动) Technical Presentations (about 20 minutes each+5 minutes Q&A)

## S12: 汽车制动器 NVH 技术 Automotive Brake NVH Technologies

**时间及地点 / Date & Venue:** 2016 年 10 月 27 日 09:00–12:00, 2 楼多功能大会议室东  
09:00–12:00, Oct. 27, Multifunctional Conference Room East, 2F, SAEC

**协办单位 / Co-organizer:** 同济大学  
Tongji University

### 简介 / Introduction :

汽车制动器的振动和噪声问题是汽车行业的技术难题, 对汽车的行驶舒适性和安全性产生重大影响。本专题分会将集中讨论汽车制动器 NVH, 包括低频抖动、中频颤振和高频尖叫涉及的理论、试验以及控制方法。

Brake NVH have been key problems for automotive industry, and they have great effect on automotive comfort and safety. This session will focus on theoretical, experimental and control technologies about brake judder, brake groan and brake squeal.

### 议题 / Topics :

- 不同类型制动器 NVH 的根本发生机制是什么?
- 制动器 NVH 的关键影响因素有哪些?
- 道路试验以及台架试验存在的主要问题与发展方向?
- 仿真建模与分析主要方法, 以及需要重点改进的方向?
- 制动器 NVH 控制的主要技术手段
- What are the underlying mechanism of various brake NVH?
- What are the primary influence factors on brake NVH?
- What are the problems in road tests and bench tests? And its trend?
- How about the CAE technologies for brake NVH? And its trend?
- Status and future of brake NVH control methods?

### 日程 / Agenda :



主持嘉宾 / Moderator:  
**张立军 教授 / Prof. Zhang Lijun**  
同济大学汽车学院  
Tongji University

### 演讲嘉宾 / Speakers:



09:00–09:15  
**刘献栋 教授 / Prof. Liu Xiandong**  
北京航空航天大学汽车工程系  
Beihang University



09:15–09:30  
**吴光强 教授 / Prof. Wu Guangqiang**  
同济大学汽车学院  
Tongji University



09:30–09:45  
**陈光雄 教授 / Prof. Chen Guangxiong**  
西南交通大学  
Southwest Jiaotong University



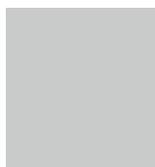
09:45–10:00  
**桂良进 教授 / Prof. Gui Liangjin**  
清华大学汽车工程系  
Tsinghua University



10:30–10:45  
**孟德建 博士 / Dr. Meng Dejian**  
智能型新能源汽车协同创新中心  
Collaborative Innovation Center of Intelligent Electric Vehicle



10:45–11:00  
**齐钢 先生 / Mr. Qi Gang**  
泛亚汽车技术中心高级经理  
Fanya Automotive Technology Center



11:00–11:15  
**奚乐 / Xi Le**  
SABS 制动器有限公司高级经理  
SABS Automotive Brake Company

互动讨论 (约 45 分钟) Panel Discussion (about 45 minutes)

# 专题分会 Special Sessions

## S13: 面对未来二氧化碳排放政策的挑战与方案 Challenges and Solutions Facing Future CO<sub>2</sub> Emission Regulations

时间及地点 / Date & Venue: 2016年10月27日 13:30-15:30, 北展厅 A2 会议室  
13:30-15:30, Oct. 27, A2, North Exhibition Hall

协办单位 / Co-organizer: IAV

### 简介 / Introduction :

当前, 全球大多数国家都在讨论与制定较过去相比越来越严苛的油耗及二氧化碳排放政策。这对于全球汽车行业, 尤其是对于动力总成部门来说, 都是一个明确的挑战去找到一个适合的解决方案以达成这些严苛的目标。

在此 IAV 专题分会中将会邀请行业专家就动力总成开发策略、开发方案及当前动力总成开发的实践展开讨论, 并展望如何应对未来油耗及二氧化碳排放政策。

Nowadays most countries in the world are discussing and defining more and more strict regulations than ever before regarding fuel consumption and CO<sub>2</sub> emission. It is clearly a challenge for automobile branch especially for powertrain division to find proper solutions in order to meet those strict targets.

In this IAV special session, powertrain development strategies, powertrain development proposals and current powertrain development practice will be presented by significant players in the powertrain division and given a great outlook how to meet future fuel consumption and CO<sub>2</sub> emission regulations.

### 日程 / Agenda:



主持嘉宾 / Moderator:

**Erik Schneider 先生 / Mr. Erik Schneider**

艾尔维汽车工程技术(德国)有限公司动力总成开发部门商务拓展及项目主管  
Director Business Development and Projects Development  
Powertrain Division, IAV GmbH

### 演讲嘉宾 / Speakers:



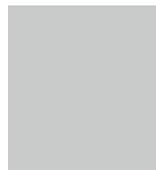
13:30-13:55

**国六排放公告试验流程的探讨**

China 6 CO<sub>2</sub> Emission Homologation Testing Process

**蒋长龙 / Jiang Changlong**

上海机动车检测中心排放所副所长  
Deputy Director of SMVIC



13:55-14:20

**针对 2020 年的动力总成技术革新**

Powertrain Technical Revolution targeting 2020

**陈珺 / Chen Jun**

上汽大众研发中心动力总成科科长  
TEA Section Chief of SAIC-Volkswagen



14:20-14:45

**针对 2020 年的汽油发动机技术探讨**

Research on Gasoline ICE targeting 2020

**李南海 / Li Nanhai**

绵阳新晨动力机械有限公司研发总监  
R&D Director of XCE



14:45-15:00

**应对未来挑战的模块化电驱单元**

Modular Developed Electric Drive Unit facing Future Challenge

**Joerg Mueller 博士 / Dr. Joerg Mueller**

IAV 集团变速器硬件开发部门主管  
Head of Department HW Development, Transmission and Hybrid System, IAV GmbH

### 形式 / Format:

技术演讲 (约 20 分钟 / 人 +5 分钟互动) Technical Presentations (about 20 minutes each+5 minutes Q&A)

## S14: 变速器与混动系统的平台化开发 Transmission & Hybrid System Platform Development

**时间及地点 / Date & Venue:** 2016 年 10 月 27 日 15:50-18:00, 北展厅 A2 会议室  
15:50-18:00, Oct. 27, A2, North Exhibition Hall

**协办单位 / Co-organizer:** IAV

### 简介 / Introduction :

近年来,平台化开发的理念已越来越多地被提及;以同平台所有产品为一个整体,在增加产品多样性的同时,减少整体体的零件类型、节省产品开发费用、减小可重复使用的零件成本;而一些业界领先的中国整车厂和供应商如今在变速器与混动系统开发领域已经在实际运用这一理念。展望将来的发展,引入及应用平台化开发的新技术和新概念也将非常重要和引人注目。

在此 IAV 专题分会中,来自在国内市场变速器与混动系统开发领域中领先的整车厂和供应商将会介绍他们针对平台化开发的经验、蓝图、新技术以及新概念。

Platform development has been more and more mentioned in recent years in context of increasing diversity of product types, and meanwhile reducing number of total component types, saving product development effort and reducing re-usable component cost for complete platform products as a whole. This idea is now practically implemented by some leading Chinese OEM / suppliers in current transmission & hybrid system development, and with an outlook into further progress in near future, introducing and implementation of new technology and new concept for platform development becomes very important and interesting.

In this IAV special session, leading OEM and suppliers in Chinese market for transmission & hybrid system development will introduce their experience, plan, new technology as well as new concept in term of platform development.

### 议题 / Topics :

- 一汽集团双离合变速器的硬件平台开发
- TCU 软件平台开发
- 确保软件质量的自动化测试模式生成系统介绍
- 自动化的变速器软件标定 - 在平台化开发中的有效应用
- 电气化低成本动力总成平台化开发技术探讨
- FAW DCT HW Platform Development
- TCU SW Platform Development
- Software quality assurance by automatically generating operating patterns and automatically detecting defects
- Automation in Transmission Calibration - Beneficial Application in Platform Development
- Electrified Low-Cost Powertrain Platform Development

### 日程 / Agenda :



**主席 / Chairperson:**  
**Klaus von Rueden**  
IAV GmbH 变速器软件部门主管  
Director Business Development and Projects, Development Powertrain

### 演讲嘉宾 / Speakers:



15:50-16:15  
**一汽集团双离合变速器的硬件平台开发**  
FAW DCT HW Platform Development  
**卢新田 教授 / Prof. Lu Xintian**  
中国第一汽车股份有限公司技术中心传动部门副部长  
Deputy Director of Transmission Dept., FAW R&D



16:15-16:40  
**TCU 软件平台开发**  
TCU SW Platform Development  
**李育 / Li Yu**  
上海变速器有限公司软件及标定部门总监  
Director of SW & Calibration Dept., SAGW



16:40-17:05  
**Daisuke Aoki**  
加特可 (广州) 自动变速器有限公司控制系统开发科经理  
Section Manager / Control System Development of JATCO (Gangzhou) Automatic Transmission LTD.



17:05-17:30  
**自动化的变速器软件标定 - 在平台化开发中的有效应用**  
Automation in Transmission Calibration - Beneficial Application in Platform Development  
**沈永辉 / Shen Yonghui**  
IAV 中国变速器及混合动力部门技术经理  
Technical Manager of Transmission & Hybrid Dept., IAV Ltd



17:30-17:55  
**电气化低成本动力总成平台化开发技术探讨**  
Electrified Low-Cost Powertrain Platform Development  
**Erik Schneider 先生 / Mr. Erik Schneider**  
艾尔维汽车工程技术 (德国) 有限公司动力总成开发部门商务拓展及项目主管  
Director Business Development and Projects  
Development Powertrain Division, IAV GmbH

### 形式 / Format:

技术演讲 (约 20 分钟 / 人 +5 分钟互动) Technical Presentations (about 20 minutes each+5 minutes Q&A)

## S15: 商用车液压助力转向系统技术论坛 Commercial Vehicle Hydraulic Power Steering System

时间及地点 / Date & Venue: 2016年10月28日 09:00-11:30, 北展厅 A2 会议室  
09:00-11:30, Oct. 28, A2, North Exhibition Hall

协办单位 / Co-organizer: 中国汽车工程研究院股份有限公司, 中国汽车工程学会汽车转向技术分会  
CAERI (China Automotive Engineering Research Institute, Co., Ltd.)  
Steering Technology Committee of SAE-China

### 简介 / Introduction :

近年来, 商用车液压助力转向系统市场反馈问题较多, 主要反映有: 1、转向器总成、转向泵总成使用过程中内部损坏、漏油, 导致转向沉重; 2、转向系统油温高、系统散热不足; 3、系统工作介质清洁度的控制问题。

在这样的背景下, 中国汽车工程学会转向技术分会将邀请业界的资深专家, 通过高端演讲和现场互动交流的形式, 共同探讨商用车液压助力转向系统产业从市场到技术应用、标准建设等不同层面的发展热点, 推动商用车液压助力转向系统技术的发展和革新。为业内人士提供一个信息与技术交流的平台。

In recent years, there has been problem feedbacks on commercial vehicle hydraulic power steering system relating to: 1, internal damage, leakage in the steering gear assembly and steering pump resulting in heavy steering; 2, high steering oil temperature and system cooling problems; 3, control problem of system cleanliness medium.

Under this background, Steering Technology Committee of SAE-China will invite industry experts, through speeches and discussion together to talk about development hot topics of commercial vehicle hydraulic power steering from market, technology, to standard construction, promoting commercial vehicle hydraulic to develop and innovate, to provide a platform for information and technology communication.

### 议题 / Topics:

- 商用车液压助力转向系统匹配设计
- 商用车液压助力转向系统工作介质规范使用
- 商用车超载允许值规范制定
- 商用车液压转向系统保养规范制定
- Commercial vehicle hydraulic power steering system matching design
- Commercial vehicle hydraulic power steering system working medium
- Commercial vehicle allowed overloading value specification
- Commercial vehicle hydraulic steering system maintenance specifications

### 日程 / Agenda:



主席 / Chairperson:  
**欧家福 先生 / Mr. Ou Jiafu**  
中国汽车工程研究院股份有限公司主任  
Board of Supervisors, China Automotive Engineering Research Institute,  
Co., Ltd.

### 演讲嘉宾 / Speakers:



09:00-09:20  
**如何控制商用车液压转向助力系统温度**  
How to Control the Temperature of Hydraulic Power Steering System of Commercial Vehicle  
**甘晓珍 女士 / Ms. Gan Xiaozhen**  
东风商用车技术中心主任工程师  
Chief Engineer of Commercial Vehicle Technology Center of DFMC



09:20-09:40  
**商用车转向系统油温控制策略及其可靠性分析**  
The Method of Oil Temperature Control for Commercial Vehicle's Steering System and Its Reliability Analysis  
**吴向阳 先生 / Mr. Wu Xiangyang**  
广西玉柴机器股份有限公司科长  
Section Chief of Guangxi Yuchai Machinery Co., Ltd.



09:40-10:00  
**转向油泵在商用车液压助力转向系统中的作用、问题及解决方案**  
The Function, Problem and Solution of Steering Pump in Commercial Vehicle Power Steering System  
**魏连江 先生 / Mr. Wei Lianjiang**  
合肥力威汽车油泵有限公司总工程师  
Chief Engineer of Hefei Liwei Automobile Oil Pump Co., Ltd.



10:00-10:20  
**商用车液压转向助力系统匹配设计**  
The Matching Design of Commercial Vehicle Hydraulic Steering Power System  
**常涛 先生 / Mr. Chang Tao**  
东风商用车技术中心主任工程师  
Chief Engineer of Commercial Vehicle Technology Center of DFMC



10:20-10:40  
**如何解决重卡转向系统高温问题?**  
How to Deal With the Problem of High Temperature Heavy Truck Steering System?  
**闫志 先生 / Mr. Yan Zhi**  
北京福田戴姆勒汽车有限公司技术中心转向模块经理兼转向室主任  
Director of the Steering Room of R&D Center, Beijing Foton Daimler Automotive Co., Ltd.

互动讨论 (约 40 分钟) Panel Discussion (about 40 minutes)

## S16: 汽车产品的回收利用——集约化、信息化、标准化 Automotive products recycling: intensive production, IT promotion and standardization

**时间及地点 / Date & Venue:** 2016年10月28日 09:00-11:30, 北展厅 A3 会议室  
09:00-11:30, Oct. 28, A3, North Exhibition Hall

**协办单位 / Co-organizer:** 中国汽车工程学会现代化管理分会  
Modern Management Committee of SAE-China

### 简介 / Introduction :

中国正在进入汽车社会,常规汽车的中高速增长及新能源汽车的快速增长、交通出行结构的根本性变化、汽车报废量的暴发性增长,这是汽车产业发展和汽车产品普及带来的新常态。预计到2020年,中国每年的汽车报废量将达1400-1700万辆,车用动力电池的报废量将达20万吨。

近年来,为了适应中国经济发展的新常态,报废汽车回收再利用的产业集中度进一步提升,技术装备和信息化水平明显提高,环保水平和资源利用效率显著改善。另一方面,互联网对于汽车产品的使用、销售、售后服务、报废回收影响更大,体现在提高资源配置的效率,通过发挥市场机制作用探索未来产业发展方向。

China is marching into the auto society. This is the new normalcy by auto industry development and automotive products popularization which is featured as the slow growth of conventional automobile, rapid growth of new energy vehicles, radical change occurred in the structure of traffic travel, and the out-breaking growth of ELV. It is estimated that China's scrapped vehicles will reach 14-17 million and the scrapped traction battery will reach 200 thousand tons by 2020.

In recent years, in order to adapt to China's new normalcy of economic development, the degree of industry concentration of automotive recycling has been further enhanced, the technical level of process equipments and information technology has been significantly improved, and the level of environmental protection and resources efficiency has been improved. On the other hand, the mobile internet has a greater impact on automotive products after-sales and recycling by improving the efficiency of resource allocation and exploring the future industry development mode by playing the role of market mechanism. The session will focus on the topic of "the automotive products recycling: intensive production, IT promotion and standardization".

### 日程 / Agenda:



**主席 / Chairperson:**  
**梁元聪 先生 / Mr. Liang Yuancong**  
现代化管理分会秘书长  
Secretary General, Modern Management Committee of SAE-China

### 演讲嘉宾 / Speakers:



09:00-09:20  
**汽车产品回收利用年度进展报告**  
Annual Progress Reporting on Automotive Products Recycling in China  
**陈铭 先生 / Mr. Chen Ming**  
汽车产品回收利用产业技术创新战略联盟常务副理事长兼秘书长  
Executive Vice Chairman and Secretary-General of AARTI



09:20-09:40  
**汽车产品回收利用的全产业链管理与标准化**  
Industrial Chain Management & Standardization on Automotive Products Recycling  
**黎宇科 先生 / Mr. Li Yuke**  
中国汽车技术研究中心汽车产业政策研究中心副主任  
Vice Director, Automotive Industry Policy Research Department, CATARC



09:40-10:00  
**车用动力电池的回收利用技术与标准化**  
Recovery Technology & Standardization on Traction Batteries Used in EVs  
**余海军 先生 / Mr. Hagel Yu**  
广东邦普循环科技有限公司战略总监  
Director of Strategy, Guangdong Brup Recycling Technology Co., Ltd.



10:00-10:20  
**应对报废汽车暴发性增长挑战的集约化回收处理技术**  
Intensive Recycling Technology: Changeling the Outbreak of ELVs in China  
**张春亮 博士 / Dr. Zhang Chunliang**  
上海交通大学机械与动力工程学院  
School of Mechanical Engineering, Shanghai Jiao Tong University



10:20-10:40  
**电动化、信息化、智能化背景下中国汽车零部件再制造行业与技术前瞻**  
Technological Preview on Automotive Parts Remanufacturing Industry in China  
**刘永光 先生 / Mr. Liu Yongguang**  
上海华东拆车有限公司总工程师  
Chief Engineer, Shanghai Eastern China Vehicle Dismantling Co. Ltd.

互动讨论 (约40分钟) Panel Discussion (about 40 minutes)

## S17: 汽车空气动力学：仿真驱动的气动外形设计 Automotive Aerodynamics: Simulation Driven Vehicle Aerodynamic Shape Design

**时间及地点 / Date & Venue:** 2016年10月28日 09:00-11:30, 北展厅 A8 会议室  
09:00-11:30, Oct. 28, A8, North Exhibition Hall

**协办单位 / Co-organizer:** 吉林大学, 中国汽车工程研究院股份有限公司  
Jilin University, China Automotive Engineering Research Institute Co., Ltd.

### 简介 / Introduction:

与汽车空气动力学有关的汽车性能越来越得到汽车企业的重视, 汽车空气动力学为汽车减阻节能, 高效运行, 低噪舒适乘坐提供了技术支撑。本专题分会将集中讨论有关汽车空气动力学问题。节能减排是国家大政方针, 写进了我国“十一五”发展纲要。汽车领域的节能减排, 汽车空气动力学作用明显。汽车空气动力学数值模拟技术在汽车产品开发中发挥越来越重要的作用。基于计算流体力学数值模拟的仿真如何在产品开发中发挥作用, 驱动气动外形优化设计, 达到减阻减排, 改善舒适性的目的, 让我们来到本专题分会一起研讨。

本专题分会以“仿真驱动的汽车气动外形设计”为主题, 通过国内外权威专家主旨演讲和互动讨论的形式, 交流汽车空气动力学数值仿真技术方法与最新发展趋势。

Energy conservation is the national policies, written into China's "Eleventh Five-Year" development program. About energy conservation and emissions reduction, the effect of aerodynamics is obvious in the automotive field. Aerodynamics numerical simulation technology has played an increasingly important role in automotive product development. Let us come to discuss how simulation based on computational fluid dynamics plays a role in product development, drives the aerodynamic shape optimization design, to achieve drag reduction and emissions reduction and comfort improvement.

The special session uses "simulation drive vehicle aerodynamic shape design" as the theme, through the form of keynote presentations and interactive discussions by experts domestic and abroad, communicating automotive aerodynamics numerical simulation methods and the latest development trend.

### 议题 / Topics:

- 汽车空气动力学气动外形设计
- 基于 CFD 的汽车产品开发与应用
- 气动噪声的仿真与优化设计
- Automotive aerodynamic shape design
- Vehicle Development and application base on CFD
- The simulation and optimal design of aerodynamic noise

### 日程 / Agenda:



**主席 / Chairperson:**  
**马芳武 教授 / Prof. Mike Ma**  
“千人计划”专家, 吉林大学  
Jilin University



**主席 / Chairperson:**  
**周舟 博士 / Dr. Zhou Zhou**  
中国汽车工程研究院股份有限公司副总经理  
Vice President, China Automotive Engineering Research  
Institute Co., Ltd.

### 演讲嘉宾 / Speakers:



09:00-09:20  
**系统工程和 CFD 仿真在车辆开发中的互补作用**  
The Complimentary Roles of System Engineering and  
CFD Simulation for Vehicle Development  
**孙络典 博士 / Dr. Richard Sun**  
长安汽车高级专家、中国汽研高级专家  
Senior Technical Expert of Changan Automobile and CAERI



09:20-09:40  
**汽车风振噪声的 CFD 仿真研究**  
Survey of CFD Simulation on Vehicle Buffeting  
**安长发 博士 / Dr. An Changfa**  
原美国克莱斯勒汽车公司高级工程师  
Former Senior Engineer of Chrysler



09:40-10:00  
**CFD 仿真技术在汽车开发中的应用**  
Application of CFD Technology for Vehicle Development  
**冯伟 先生 / Mr. Feng Wei**  
中国汽车工程研究院股份有限公司  
China Automotive Engineering Research Institute Co., Ltd.



10:00-10:20  
**整车外气动噪声预测方法**  
CFD Design Tool for Full Vehicle Exterior Aeroacoustic  
Prediction  
**李文宗 博士 / Dr. Li Wenzong**  
杭州上丰汽车科技有限公司  
Hangzhou Shangfeng Auto Technology Co., Ltd.



10:20-10:40  
**利用表面粗糙度等效胎面花纹整车瞬态气动特性模拟**  
Vehicle Transient Aerodynamic Characteristics Simulation  
with Tire Tread Pattern Equivalent Surface Roughness  
**王夫亮 博士 / Dr. Wang Fuliang**  
泛亚汽车技术中心有限公司  
Pan Asia Technical Automotive Center Co., Ltd.



10:40-11:00  
**汽车造型开发阶段的气动造型设计与优化**  
Aerodynamic Shape Design and Optimization in the Styling  
Phase  
**张英朝 副教授 / Asso. Prof. Zhang Yingchao**  
吉林大学 PACE 中心主任  
Director of PACE, Jilin University

互动讨论 (约 30 分钟) Panel Discussion (about 30 minute)

## S18: 碳纤维复合材料 Carbon Fiber Composite

**时间及地点 / Date & Venue:** 2016年10月28日 09:00-11:30, 南展厅 A9 会议室  
09:00-11:30, Oct.28, A9, South Exhibition Hall

### 简介 / Introduction :

汽车的轻量化对我国有重要的意义, 它为我国新材料产业的发展提供了重要机遇。无论是燃油车新的排放标准, 还是电动汽车都迫切需要轻量化。碳纤维复合材料是汽车轻量化材料的重要组成部分。它可以大大降低整车重量, 由此起到节油和减少排放之效。

本专题分会将邀请来自国内外来自高校、汽车企业、材料企业等相关领域的专家共同探讨碳纤维复合材料的发展趋势、碳纤维复合材料在汽车上的应用等问题。

Automotive Lightweight is very significant to China. It provides an important opportunity for the development of new materials industry. Whether fuel vehicles or electric vehicles need lightweight urgently. Carbon fiber composite material is an important part of automobile lightweight materials. It can greatly reduce the vehicle weight, thus to save fuel and reduce emissions.

This project will invite experts from the domestic and foreign universities, automobile enterprises, materials enterprises, and other related fields to discuss the development trend of carbon fiber composite materials and its application in the automotive industry and so on.

### 议题 / Topics:

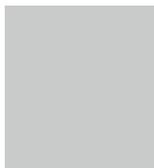
- 国内外碳纤维复合材料的发展趋势
- 汽车企业对碳纤维复合材料的需求
- Development trend of carbon fiber composite at home and abroad.
- The demand of carbon fiber composites for automobile enterprises.

### 日程 / Agenda:

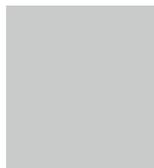


主持嘉宾 / Moderator:  
**王新灵 教授 / Prof. Wang Xinling**  
上海交通大学  
Shanghai Jiao Tong University

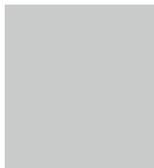
### 演讲嘉宾 / Speakers:



**范欣愉 先生 / Mr. Fan Xinyu**  
金发科技股份有限公司, 技术总监  
Kingfa Scientific and Technological Co., Ltd.  
Technical director



**康红伟 先生 / Mr. Kang Hongwei**  
深圳市郎博万先进材料有限公司, 技术总监  
Shenzhen NO.1 Advanced Materials Co., Ltd.  
Technical director



**吴海宏 教授 / Prof. Wu Haihong**  
河南工业大学  
Henan University of Technology

东华大学教授 (拟邀请)  
上海汽车专家 (拟邀请)

### 形式 / Format:

技术演讲 (约 20 分钟 / 人) Technical Presentations (about 20 minutes each)  
互动讨论 (约 40 分钟) Panel Discussion (about 40 minutes)

## S19: 基于模型的汽车电子和软件验证和确认 Model-based Verification and Validation of Automotive Electronics and Software

时间及地点 / Date & Venue: 2016年10月28日 09:00-11:30, 2楼1号会议室  
09:00-11:30, Oct. 28, Meeting Room 1, 2F, SAEC

协办单位 / Co-organizer: MathWorks

### 简介 / Introduction :

汽车行业在传统的机械设计和测试方面已经建立起了良好的标准流程和最佳实践。然而,新一代汽车中几乎每一个系统都包含了电子控制和嵌入式软件的成分。使用模型进行电控和软件功能的设计和验证也已成为广泛采用的开发模式。但是由于内容和范围的快速增长,汽车电控和嵌入式软件的开发还未达到和机械系统等同的成熟度。在面临今天日趋复杂程度的情况下,测试的有效性和工作效率已成为一个电控开发团队的核心能力。测试的有效性将决定一个新开发的产品质量和召回的可能性。测试的效率决定了一个项目是否能在预定时间表内实现全面测试覆盖以确保产品质量。

本次会议邀请了电控和软件的测试的从业者介绍他们所面临的挑战,经验,和以基于模型的方法进行自动化测试的经验。他们将分享提高测试有效性和效率的想法和他们在最近的项目中取得的成果。

Almost every system in today's automobile is powered by electronics and embedded software, and the use of models for the development of electronic controls and software functions has become the norm. Whereas there are well-defined and widely-understood best practices for mechanical design and test, the practice of automotive electronics and embedded software development is still a work in progress due to the rapid increase in electronic content and scope. Yet, the effectiveness of electronics and software testing is the difference between high quality products and recalls. The efficiency of electronics and software testing is the difference between achieving full test coverage on schedule and delayed product shipment and months of extra testing effort.

This session invites the practitioners of testing to speak about the challenges they faced, and their experience and best practices for plan, prepare, execute, and automate testing, with a focus on model-based methods. They will share ideas for increasing test effectiveness and efficiency, and the results they achieved through recent projects.

### 日程 / Agenda:



主席 / Chairperson:

**李建秋 教授 / Prof. Li Jianqiu**

清华大学, 汽车系 副主任 (科研), 汽车安全与节能  
国家重点实验室  
Vice Chair, Automotive Department (Research), Tsinghua  
University, Automotive Safety and Energy Savings Key  
National Lab, Tsinghua University



联合主席 / Co-chairperson:

**金文思 先生 / Mr. Wensi Jin**

MathWorks (美国) 汽车行业经理  
Industry Manager, Automotive, MathWorks

### 演讲嘉宾 / Speakers:



09:00-09:20

**基于模型软件开发与验证**

Model Based Software Design and Validation

**刘兴义 先生 / Mr.**

潍柴动力股份有限公司发动机技术研究院电控技术部,  
应用软件开发室副主任  
Vice-Director of Application Software Department,  
Department of Electronic Control Technology, Weichai



09:20-09:40

**基于模型的测试技术在 DCT 软件开发中的实践**

Adoption of Model-based Test Technologies for DCT Control  
Software Development

**易飞 先生 / Mr.**

上汽技术中心集成与测试经理  
Manager, Integration and Test, SAIC Motors



09:40-10:00

**基于模型的微混控制系统软件开发**

Model Based Micro Hybrid Control Unit Software  
Development

**蒋银田 先生 / Mr.**

泛亚技术中心控制软件开发经理  
Software Development Manager, PATAC



10:00-10:20

**需求建模和基于需求测试的实践**

Requirement Modeling and Requirement-based Testing

**John Lee 先生 / Mr.**

MathWorks (美国) 主任技术咨询顾问  
Principal Technical Consultant / Manager, MathWorks



10:20-10:40

**面向功能性的平台化模型开发与架构设计**

Function Oriented Model Development and Architecture  
Design Platform

**韩亦琦 先生 / Mr.**

联合汽车电子软件开发工程师  
Software Development Engineer, UAES



10:40-11:00

**多核处理器平台下基于模型的独立开发模式及验证**

Model-based Development and Verification Method for  
Multi-core Processor Systems

**华剑锋 先生 / Mr.**

北京科易动力科技有限公司技术总监  
Technical Director Beijing KeyPower Tech. Co., Ltd.

互动讨论 (约 30 分钟) Panel Discussion (about 30 minutes)

## V01: 技术大会—先进智能网联汽车技术 Technical Conference—Advanced ICV Technology

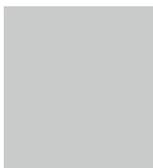
时间及地点 / Date & Venue: 2016年10月26日 13:30-18:00, 南展厅全体大会区  
13:30-18:00, Oct. 26, Conference Zone, South Exhibition Hall

### 日程 / Agenda:

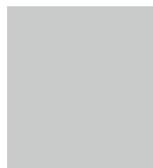


主持嘉宾 / Moderator:  
**李克强 教授 / Prof. Li Keqiang**  
清华大学汽车工程系主任  
Head of Department of Automotive Engineering, Tsinghua University

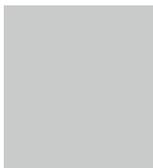
以下单位的技术专家将被邀请 / The speakers from the follow organizations are being invited:



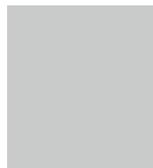
中国智能网联汽车产业技术创新战略联盟  
CAICV



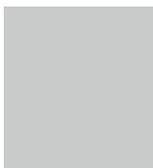
沃尔沃  
VOLVO



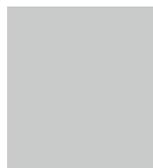
福特  
Ford



吉利  
Geely



博世  
Bosch



麦格纳  
Magna



整合与服务, 打造全方位互联驾乘新体验  
Holistic Connectivity for Future Mobility Solutions  
**李鹏 先生 / Mr. Paul Li**  
德国大陆集团亚洲总部信息娱乐及智能通讯业务单元中国区业务总监  
Head of Customer Center, BU Infotainment & Connectivity, Continental China



Mobileye  
(邀请中 / TBD)



华为  
Huawei

# 专题分会 (CICV) Special Sessions(CICV)

## V02: 零伤亡愿景——没有人应该在车祸中死亡 Vision Zero – Nobody Should be Killed by Vehicle

**时间及地点 / Date & Venue:** 2016年10月27日 09:00–12:00, 北展厅 A5 会议室  
09:00–12:00, Oct. 27, A5, North Exhibition Hall

**协办单位 / Co-organizer:** 中瑞交通安全研究中心  
China Sweden research center for traffic safety (CTS)

### 简介 / Introduction :

“零伤亡愿景”是瑞典在道路安全方向思考的一项尝试, 这个理念逐渐得到行业的认同。“中瑞交通安全研究中心”(CTS)是由瑞典国家企管、能源和交通部与中国交通运输部合作成立的, 致力于“开展世界级的交通安全研究, 旨在减少中国的交通事故和人员伤亡。”

由于交通安全问题日益引起关注, 为了解决安全问题而发展起来的自动驾驶技术逐渐成为政府, 产业, 学界讨论和发展的焦点。本次分会将对自动驾驶发展过程中产生的法律法规问题, 路测试验 (FOT), 以及 HMI 等关键问题展开讨论。对于这些关键问题的深入探讨和辨析, 对瑞典以及欧洲他国在该方面先进经验的学习, 有助于促进中国自动驾驶技术的顺利发展, 进而推动商业化进程。从而加速“零伤亡愿景”在中国的实现。本专题分会, 将邀请来自瑞典和中国相关科研院所、企业的专家到会, 对以上问题进行深入探讨。

“Vision Zero” is a thinking of traffic safety from Sweden, and has been gradually recognized by the industry. “China Sweden Research Center for Traffic Safety” (CTS) is established with the support from both China and Sweden governments to strengthen the collaboration in the area of traffic safety. The Vision of CTS is to deliver world-class traffic safety research that reduces traffic accidents and casualties with a focus on China.

Since the traffic safety issue has attracted broad attention, to solve the traffic safety issue, automation technology is developing fast and becoming the focus of discussion among government, industry and academia. Sweden is one of the pioneer countries leading automation technology. This special session will discuss some key topics in automation technology area, regulation development, FOT (Field operational test) and HMI (Human Machine Interface). Deep discussion in these topics can help Chinese developers to learn from the experience of Sweden and other countries and can further promote the development and commercialization of automation technology in China, which could accelerate the realization of “vision zero” in China. This session will invite experts from government, industry and academia in Sweden and China.

### 日程 / Agenda:



**主席 / Chairperson:**  
**陈超卓 先生 / Mr. Chen Chaozhuo**  
中瑞交通安全研究中心总监  
Director, China Sweden Research Center for Traffic Safety



**联合会议主席 / Co- Chairperson:**  
**陈芳 博士 / Dr. Chen Fang**  
副教授, 瑞典查尔姆斯理工大学交通安全中心  
Associate Professor, SAFER Vehicle and Traffic Safety Centre at Chalmers, Sweden

### 拟邀请演讲嘉宾 / Speakers to be invited:



09:00–09:20  
**欧盟和瑞典的在推动自动驾驶方面发展上的举措**  
Introduction of The Initiatives to Facilitate and Encourage Vehicle Automation in Sweden and Europe  
**Anna Nilsson-Ehle 女士**  
**Ms. Anna Nilsson-Ehle**  
SAFER 总监  
Director of SAFER



09:20–09:40  
**汽车主动安全技术应用**  
Application of Automotive Active Safety Technology  
**周炜 先生 / Mr. Zhou Wei**  
交通运输部公路科学研究院汽运中心副主任  
Deputy Director of Vehicle Transport Center



09:40–10:00  
**沃尔沃汽车主动安全与自动驾驶技术简介**  
Volvo Car Active Safety And Autonomous Drive Technology  
**顾剑民 博士 / Dr. Gu Jianmin**  
沃尔沃汽车研发总监 (中国区)  
R&D Director of VOLVO CARS China



10:20–10:40  
**FOT-China 项目介绍**  
China-FOT Project Introduction.  
**朱西产 教授 / Prof. Zhu Xichan**  
同济大学汽车学院  
School of Automotive Studies, Tongji University



10:40–11:00  
**欧洲和瑞典汽车自动化和网联化对道路安全提升的潜力及相关研究以及国际合作的需要**  
European Road Traffic Research Where Automation and Connectivity Have Potential to Increase Road Safety and the Need and Opportunities of International Collaboration  
**Mats Rosenquist 先生**  
**Mr. Mats Rosenquist**  
沃尔沃卡车对外合作研究总监  
Director of External Research Collaboration, VOLVO Group



11:00–11:20  
**不同等级的自动驾驶汽车的 HMI 设计介绍**  
HMI Design for Automation on Different Levels  
**陈芳 博士 / Dr. Chen Fang**  
副教授, 瑞典查尔姆斯理工大学交通安全中心  
Associate Professor, SAFER Vehicle and Traffic Safety Centre at Chalmers, Sweden

互动讨论 (约 40 分钟) Panel Discussion (about 40 minutes)

## V03: 中国网联汽车标准化与产业化发展 Standardization and Commercialization of China V2X Industry

**时间及地点 / Date & Venue:** 2016年10月27日 09:00-12:00, 北展厅 A7 会议室  
09:00-12:00, Oct. 27, A7, North Exhibition Hall

**协办单位 / Co-organizer:** 重庆长安汽车股份有限公司  
Chongqing Changan Automobile Company Ltd.

### 简介 / Introduction :

网联汽车技术的巨大潜力已经在世界范围内被认可,国际上关于网联汽车应用层、网络层、通信层的标准也日趋成熟,如美国的SAE2735, SAE2945.1, IEEE1609.X 和 IEEE802.11P, 以及欧洲的 ETSI BTP, GeoNetworking 等系列标准,且其通过大量的车载通信系统实验项目得到验证,也使网联汽车技术得到初步推广和小规模部署,例如美国的 VSC-A、Safety Pilot Model Deployment 以及欧洲的 C-ITS corridor 等项目。

中国也将智能网联汽车列入《中国制造 2025》的重点发展目标之一,同时全行业也在频谱研究、应用层标准制定、通信技术开发等各方面积极开展工作。中国政府和行业协会、学会正在积极制定中国网联汽车的发展目标与时间表,以推动行业的发展和技术的产业化进程。网联汽车技术与安全息息相关,该技术若能提前一天部署,就能多挽救成百上千条生命。DSRC 是目前已经成熟且可以立即展开部署的技术,同时基于蜂窝网络的 LTE-V2X 技术也在快速发展,物联网时代的 5G 技术开始进入人们视线。汽车行业面对不断更新的通信技术该如何发展? 如何解决技术的向后兼容与发展演进问题? 本专题将就围绕 V2X 产业规划目标、应用层标准建设、通信技术与演进等热点问题展开广泛而深入的讨论。

The great potential of connected vehicle technology has been acknowledged globally. The standardization of application layer, transport layer and communication layer of the connected vehicle technology around the world is becoming mature, such as SAE2735, SAE2945.1, IEEE1609.X and IEEE802.11P in the US and ETSI BTP, GeoNetworking etc. in the Europe. These standards and specifications are being validated via a great number of cooperating projects, like VSC-A, Safety Pilot Model Deployment projects in the US and C-ITS corridor project in the Europe, making the technology been demonstrated and deployed in small scale.

China also includes connected vehicle technology in one of the major areas in the "Make in China 2025" initiative. At the same time, the whole industry are actively engaged in spectrum investigation, standard development, and communication technology exploration. The government and industry associations are working on the development goal and timetable for China Intelligent & Connected Vehicles, to promote this industry and accelerate its commercialization. As the connected vehicle technology is highly related to road safety, every single day if it can be deployed earlier can save hundreds and thousands of lives. DSRC is a mature and deployable technology; Cellular based LTE-V2X is growing rapidly; 5G for IoT is also emerging. How will the auto industry cope with the fast iteration of communication technologies? How to address the back compatibility and/or technology evolution issue? This session will conduct a deep and extensive discussion on the V2X industry goal, application standard development, and communication technologies evolution etc..

### 日程 / Agenda:



**主持嘉宾 / Moderator:**  
**黎予生 博士 / Dr. Li Yusheng**  
长安汽车工程研究总院总工程师  
Chief Engineer of Changan Automobile Group Engineering Research Institute



**联合会议主席 / Co-Chairperson:**  
**杜江凌 博士 / Dr. John Du**  
通用汽车中国科学研究院院长  
Director of GM China Science Lab

### 演讲嘉宾 / Speakers:



09:00-09:20  
**关于中国 V2X 通信应用层标准协议工作的进展及思考**  
China V2X Application Layer Standard Development  
**杜江凌 博士 / Dr. John Du**  
通用汽车中国科学研究院院长  
Director of GM China Science Lab



09:20-09:40  
**V2X 通信技术的标准演进和产业化进程**  
Path to Connected Vehicle: DSRC and LTE V2X  
**李俨 博士 / Dr. Li Yan**  
高通无线通信技术(中国)有限公司高级总监  
Director Technical Standards, Qualcomm Wireless Communication Technologies (China) Limited



09:40-10:00  
**V2X 系统网络层标准化及测试验证**  
Standardization and Verification of V2X System Network Layer  
**葛雨明 博士 / Dr. Ge Yuming**  
中国信息通信研究院高级工程师  
Senior Engineer CAICT



10:40-11:00  
**V2X 未来服务与运营展望**  
V2X Future Service and Operation Overview  
**易芝玲 博士 / Dr. Chih-Lin I**  
中国移动首席科学家  
Chief Scientist, China Mobile



11:00-11:20  
**Jack Pokrzywa 博士 / Dr. Jack Pokrzywa**  
国际自动机工程师学会  
SAE International



11:20-11:40  
**聂永丰 先生 / Mr. Nie Yongfeng**  
华为技术有限公司云核心网车联网标准总监  
HUAWEI Technology Co. Ltd. Cloud Core Network Internet of Vehicle Standard Director

互动讨论 (约 30 分钟) Panel Discussion (about 30 minutes)

# 专题分会 (CICV) Special Sessions(CICV)

## V04: 中日韩汽车论坛 – 高精度地图及定位 China-Japan-Korea Forum-High Precision Map and Positioning

**时间及地点 / Date & Venue:** 2016年10月27日 13:30-15:30, 北展厅 A5 会议室  
13:30-15:30, Oct. 27, A5, North Exhibition Hall

**协办单位 / Co-organizer:** 日本汽车工程学会、韩国汽车工程学会  
JSAE, KSAE

### 简介 / Introduction :

本专题主要讨论基于高精度地图和高精度定位的自动驾驶技术。高精度地图和高精度定位是实现自动驾驶的基础支撑技术,具有车道级导航,先验基础信息提供,以及传感器误差消解等作用。国际上美日欧都已开始了高精度地图数据标准化和应用模式的研究,取得了较大进展;国内起步较晚,但发展迅速,需要尽快形成适合中国国情的数据标准,并协同我国北斗高精度定位,建立适用工况和应用场景。

The topic is automatic driving technology based on high precision map and high precision positioning. High precision map and high precision positioning are the basic support technology to realize automatic driving. They have the function of lane level navigation, offering prior basic information, and eliminating sensor error. The United States, Japan and Europe have begun high precision map data standardization and application mode research. And great progress has been made. China started late, but developed rapidly. It is needed to form data standard suitable for China's national situation and then establish useful condition and application scenarios cooperated with China's Beidou high accuracy positioning.

### 议题 / Topics:

- 高精度地图的定义,模型和内容信息研究
  - 高精度地图的存储格式研究
  - 高精度地图、高精度北斗定位和其它传感器的信息融合技术研究
  - 高精度地图的应用场景研究
- Definition, model and content information of high precision map
  - Research on the storage format of high precision map
  - Research on information fusion technology of high precision map, high precision Beidou Positioning and other sensors
  - Research on the application of high precision map

### 日程 / Agenda:

主席 / Chairperson:  
**朱敦尧 教授 / Prof. Zhu Dunyao**  
武汉大学 GNSS 中心  
GNSS Research Center of Wuhan University

### 演讲嘉宾 / Speakers:

13:30-13:50  
**二宫芳树 教授 / Prof. Ninomiya Yoshiki**  
名古屋大学  
Nagoya University

13:50-14:10  
**朴秀洪 教授 / Prof. Soohong Park**  
仁荷大学  
Inha University

14:10-14:30  
**章红平 教授 / Prof. Zhang Hongping**  
武汉大学  
Wuhan University

14:30-14:50  
**李凯 先生 / Mr. Li Kai**  
东风汽车技术中心  
Dongfeng Motor Corporation

互动讨论 (约 50 分钟) Panel Discussion (about 50 minutes)

## V05: 汽车人机交互技术论坛: 汽车人因工程与人性化设计 Automotive HMI Technology: Human Factors and User-friendly Design in Automotive

**时间及地点 / Date & Venue:** 2016年10月27日 13:30-15:30, 北展厅 A7 会议室  
13:30-15:30, Oct. 27, A7, North Exhibition Hall

**协办单位 / Co-organizer:** 吉林大学汽车智能化与人性化研发团队  
Automotive Intelligent and humanized R & D Team, Jilin University

### 简介 / Introduction :

“以人为中心的人车共驾”、“驾乘人员的高用户体验感”和“高效自然的人机交互界面”是现代汽车人机交互研究前沿与热点,也是提升车辆驾乘人员的用户体验感、产品性能品质与品牌竞争力的关键因素。

本专题分会以“汽车人因工程与人性化设计”为主题,通过国内外权威专家主旨演讲和互动讨论的形式,交流汽车人机交互设计方法与最新发展趋势,以及人机交互技术在智能网联汽车中的应用。

Human-centered driving, occupants' high-level experience as well as natural and efficient HMI are the research frontiers and hot issues of modern vehicle design. They are also key factors to improve products' performance and brand competitiveness. In the special session of "human factors and user-friendly design in automotive", domestic and foreign experts will be invited to make keynote speeches and interactive discussions. Speech topics include latest development trends of vehicle's HMI design and the application of HMI technology in intelligent connected vehicle, et al.

### 议题 / Topics :

- 汽车人机交互设计与参数校核方法
- 驾乘人员用户体验感分析与综合商品性评价
- 面向智能网联汽车的新一代人机交互技术
- HMI parameter calibration method for vehicle design
- Occupant experience analysis & comprehensive commodity evaluation
- A new generation HMI technology for intelligent connected vehicle

### 日程 / Agenda:



主席 / Chairperson:  
**高振海 教授 / Prof. Gao Zhenhai**  
吉林大学  
Jilin University

### 演讲嘉宾 / Speakers:



13:30-13:50  
**基于 VOC 的综合商品性评价体系建设**  
Comprehensive Commodity Evaluation System  
Construction based on VOC  
**郭平 女士 / Ms. Guo Ping**  
中国第一汽车股份有限公司技术中心  
FAW Co., Ltd. R&D Center



13:50-14:10  
**中国人体基础特征测试及应用**  
Basic Chinese Human Characteristic Measurement and  
Application  
**赵朝义 博士 / Dr. Zhao Chaoyi**  
中国标准化研究院研究员  
China National Institute of Standardization



14:10-14:30  
**汽车自动驾驶中的人机交互技术研究**  
Study on HMI Technology for Automated Platoon Vehicles  
**郑仁成 副教授 / Prof. Zheng Rencheng**  
日本东京大学  
University of Tokyo



14:30-14:50  
**题目待定**  
TBD  
**黄颖 女士 / Ms. Huang Ying**  
上海友衷科技有限公司  
AutoIO Technology Co., LTD.



14:50-15:10  
**中国商用车驾驶员人机交互与校核方法研究**  
Research on HMI Design and Parameter's Validation  
Method for Chinese Commercial Vehicle Drivers  
**高振海 教授 / Prof. Gao Zhenhai**  
吉林大学  
Jilin University

互动讨论 (约 20 分钟) Panel Discussion (about 20 minutes)

# 专题分会 (CICV) Special Sessions(CICV)

## V06: 智能网联汽车测试评价 Intelligent Vehicle Testing & Evaluation

**时间及地点 / Date & Venue:** 2016年10月27日 15:50-18:00, 北展厅 A5 会议室  
15:50-18:00, Oct. 27, A5, North Exhibition Hall

**协办单位 / Co-organizer:** 中国汽车工程研究院股份有限公司  
China Automotive Engineering Research Institute Co., Ltd.

### 简介 / Introduction :

全面的智能网联汽车测试评价将有效支持我国汽车智能化、网联化技术的自主研发, 加快汽车技术研发与产业化应用的周期。本专题将聚焦于智能网联汽车涉及的 V2X, 自动驾驶相关通信模块测试, 虚拟仿真测试以及道路测试体系与方法。

Comprehensive testing and evaluation of intelligent connected vehicle will effectively support the independent research and development of intelligent vehicles, connected technique in our country, accelerate the industrialization application cycle and research and development cycle of automotive technology. This session will focus on intelligent connected vehicle, mainly involving V2X, communication module related of self-driving, virtual simulation test, road test system and method.

### 议题 / Topics:

- V2X 车路协同系统测试评价问题
- 自动驾驶汽车测试验证问题
- V2X Cooperative Vehicle Infrastructure System testing and evaluation
- Automated vehicle test validation

### 日程 / Agenda:

**主席 / Chairperson:**  
**谢飞先生 / Mr. Xie Fei**  
中国汽车工程研究院股份有限公司副总经理  
Deputy General Manager, China Automotive Engineering Research Institute Co., Ltd.

### 演讲嘉宾 / Speakers:



15:50-16:10  
**基于模型仿真的 ADAS 和自动驾驶性能开发和测试方法论**  
ADAS and Automatic Driving Performance Development and Testing Methodology Based on the Model Simulation  
**黄汉知先生 / Mr. Huang Hanzhi**  
天欧汽车工程软件(上海)有限公司执行总监  
Managing Director, TASS International Co. Ltd TASS



16:10-16:30  
**重庆市智能网联汽车测试示范基地建设**  
Chongqing Intelligent and Connected Vehicle Test & Demonstrate Base Construction  
**陈涛博士 / Dr. Chen Tao**  
智能汽车测试评价中心  
Intelligent Vehicle Testing and Evaluation Center



16:30-16:50  
**自动驾驶汽车加速测试方法**  
Acceleration Test Method Of Self-Driving Vehicle  
**Henry Liu 教授 / Prof. Henry Liu**  
(邀请中 / TBD)  
密西根大学  
University of Michigan



16:50-17:10  
**复杂电磁环境下智能网联汽车性能与可靠性测试**  
Intelligent Connected Vehicle Performance and Reliability Test under the Complicated Electromagnetic Environment  
**霍文雄先生 / Mr. Huo Wenxiong**  
罗德与施瓦茨中国有限公司业务发展主管  
Manager for Business Development, ROHDE-SCHWARZ

互动讨论 (约 30 分钟) Panel Discussion (about 30 minutes)

## V07: 智能网联汽车感知与融合技术 Perception&Multi-Sensors Fusion in ICV

**时间及地点 / Date & Venue:** 2016年10月27日 15:50-18:00, 北展厅 A6 会议室  
15:50-18:00, Oct. 27, A6, North Exhibition Hall

**协办单位 / Co-organizer:** 同济大学  
Tongji University

### 简介 / Introduction :

继新能源汽车之后, 汽车产业迎来了又一个历史性转折点, 即智能网联汽车。这是信息化与传统汽车工业深度融合的必然产物。当前, 智能网联汽车的主要研究内容包括: 环境感知、决策规划和车辆控制。其中, 不确定环境下智能汽车的自主决策与控制源于对当前环境感知与融合的综合判断, 因此, 环境感知与融合技术是智能网联汽车决策与控制实现的前提。

本专题以智能网联汽车环境感知与融合技术所面临的非结构性(即动态、不确定、低可预测)和多态性(目标多元、形态多变)的复杂交通环境需求出发, 探寻复杂动态交通场景下, 如何克服传统传感器所面临的感知精度、维度、稳定性等问题, 拓展智能汽车从辅助驾驶到无人驾驶感知关键技术的新思路, 构建智能网联汽车综合环境感知融合系统测试与评价体系。

After new energy vehicle, automotive industry has ushered in another historic turning point-ICV. It is the inevitable product of depth integration of traditional industry and Informatization. The main research contents about the ICV are environmental perception, planning decision and vehicle control. Autonomous decision-making under uncertain environment depends on comprehensive evaluation of the perception and integration of the current environment. Basically, Environmental Perception Fusion Technology is the premise of achieving decision-making and control of ICV, automatic driving vehicle and self-driving vehicle.

This topic uses non-structural (dynamic, uncertainty, low predictability) and polymorphism (multiple targets, changing shape) complex traffic environment that ICV, automatic driving and self-driving system are facing as a starting point to figure out solutions for the perception accuracy, dimension and stability of traditional sensors, expand new ideas for sensing technology from ADAS to self-driving and construct testing and evaluation system for ICV environmental perception fusion system.

### 议题 / Topics :

- ADAS 与自动驾驶环境感知技术
- 多模态感知融合关键技术
- 综合环境感知融合系统的测试与评价体系
- Environmental sensing technology for ADAS and automatic driving system
- Multi-modal Perception Fusion Technique
- Test and Evaluation System of Integrated Environmental perception Fusion System

### 日程 / Agenda :



主持嘉宾 / Moderator:  
**白杰 教授 / Prof. Bai Jie**  
同济大学汽车学院  
School of Automotive Studies, Tongji University

### 演讲嘉宾 / Speakers:



15:50-16:10  
**智能汽车环境感知技术研究探索**  
Research and Exploration on Environment Perception for Intelligent Vehicles  
**刘威 博士 / Dr. Liu Wei**  
东软睿驰汽车技术有限公司智能驾驶事业部部长  
Director, Intelligent Driving Business Line, Neusoft Reach Automotive Technology Co., Ltd.



16:10-16:30  
**基于物理信息融合的复杂感知与智能控制**  
The Complex Sensing and Automated Control Based on Cyber-physical System  
**李红建 博士 / Dr. Li Hongjian**  
中国第一汽车集团技术中心安全研究室主任  
Section Chief, Vehicle Safety, FAW R&D Center



16:30-16:50  
**毫米波雷达系统设计简述**  
Introduction of Millimeter-wave radar system design  
**黄李波 博士 / Dr. Huang Libo**  
同济大学  
School of Automotive Studies, Tongji University



16:50-17:10  
**深度学习在智能辅助驾驶的应用**  
Deep Learning Application for ADAS  
**余贵珍 副教授 / Asso. Prof. Yu Guizhen**  
北京航空航天大学  
Beihang University



17:10-17:30  
**车载毫米波雷达探测与识别关键技术**  
**毕欣 博士 / Dr. Bi Xin**  
同济大学汽车学院  
School of Automotive Studies, Tongji University



17:30-17:50  
**由感知规划行动迈向自动驾驶**  
Automated Driving with view of Sense Plan Act  
**董作民 先生 / Mr. Tony Dong**  
大陆泰密克汽车系统(上海)有限公司系统技术部中国区负责人  
Head of Systems & Technology China, Continental Automotive Systems (Shanghai) Co.Ltd

### 形式 / Format:

技术演讲(约15分钟/人+5分钟互动) Technical Presentations (about 15 minutes each+5 minutes Q&A)

# 专题分会 (CICV) Special Sessions(CICV)

## V08: 智能网联汽车标准体系及进展 Development of Standard / Regulation for ICV

时间及地点 / Date & Venue: 2016年10月27日 15:50-18:00, 北展厅 A7 会议室  
15:50-18:00, Oct. 27, A7, North Exhibition Hall

协办单位 / Co-organizer: 同济大学  
Tongji University

### 简介 / Introduction :

智能网联汽车的创新是以汽车为中心,融合智能交通、智慧城市、智能电网、智能家居,打造信息社会的智能生活,其创新活动将涉及汽车、交通、通信、互联网等诸多行业的协同,因而通信协议的统一以及信息的规范化管理显得尤为重要。

本专题将从汽车行业视角出发,拟邀请从事标准化研究的业内专家解读智能网联汽车、ITS、宽带无线通信及网络信息安全等领域的标准化进程,使各相关行业能相互了解与智能网联汽车密切相关的行业标准化组织结构及标准化进程,相互沟通,相互促进,共同推动智能网联汽车的创新发展。

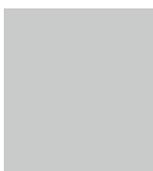
The innovation of ICV will take vehicle as center and integrate intelligent transportation, smart city, smart grid, and smart home to build intelligent life of information society. And the innovation activities involve the collaboration of automotive industry, transportation industry, communications industry, the Internet industry. Therefore, the unification of the communication protocol and the information standardization management are particularly important.

This topic intends to invite the industry standardization experts to interpret ICV standards, ITS standards, broadband wireless communications standards and network information security standards and standardization process from perspective of the automotive industry, in order to make the relevant industry understand the organization structure and standardization process which are closely related with ICV, and promote the innovation and development of ICV.

### 日程 / Agenda:



主席 / Chairperson:  
**余卓平 教授 / Prof. Yu Zhuoping**  
同济大学校长助理, 汽车学院院长  
Assistant President, Dean of School of Automotive Studies, Tongji University



主席 / Chairperson:  
**李斌 先生 / Mr. Li Bin**  
交通部公路科学研究院副院长  
Vice President, Research Institute of Highway of Transport



主持嘉宾 / Moderator:  
**朱西产 教授 / Prof. Zhu Xichan**  
同济大学汽车学院  
School of Automotive Studies, Tongji University

### 演讲嘉宾 / Speakers:



15:50-16:10  
**中国智能网联汽车标准体系研究与建设动态**  
Research & Establishment of ICV Standards and Regulations  
**王兆 先生 / Mr. Wang Zhao**  
中国汽车技术研究中心汽车标准化研究所副总工程师  
Deputy Chief Engineer, Auto Standardization Research Institute, CATARC



16:10-16:30  
**国内外 ITS 标准化发展现状及展望**  
R&D of domestic and overseas ITS standardization  
**李斌 先生 / Mr. Li Bin**  
交通部公路科学研究院副院长  
Vice President, Research Institute of Highway of Transport



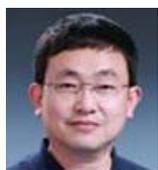
16:30-16:50  
**汽车信息安全标准研究进展**  
R&D of automobile cybersecurity  
**范科峰 先生 / Mr. Fan Kefeng**  
中国电子技术标准化研究院副主任  
Deputy Director, China Electronics Standardization Institute



16:50-17:10  
**车联网核心技术标准研究及进展**  
R&D on IOV core technology and standard  
**何宝宏 先生 / Mr. He Baohong**  
中国信息通信研究院技术和标准研究所副所长  
Deputy Director, Institute of Technology and Standards Research, CAICT



17:10-17:30  
**基于 5G/LTE-V2X 的网联自动汽车系统: 协同, 通信, 安全与隐私**  
The Research Progress of 5G/LTE-V2X for Connected Autonomous Vehicles: synergism, communications, security and privacy  
**张琳 教授 / Prof. Zhang Lin**  
北京邮电大学信息与通信工程学院执行院长  
Dean, School of Information and Communication Engineering, Beijing University of Posts and Telecommunications



17:30-17:50  
**面向智能网联汽车和智能交通的车路协同 (V2X) 应用层标准**  
V2X application layer standard on ICV and ITS  
**姚丹亚 教授 / Prof. Yao Danya**  
清华大学自动化系系统工程研究所  
Institute of systems engineering, Department of Automation

技术演讲 (约 15 分钟 / 人 +5 分钟互动) Technical Presentations (about 15 minutes each+5 minutes Q&A)

## V09: 智能网联汽车示范区建设和应用 Pilot Zone Construction and Application for ICV

**时间及地点 / Date & Venue:** 2016年10月28日 09:00-11:30, 北展厅 A5 会议室  
09:00-11:30, Oct. 28, A5, North Exhibition Hall

**承办单位 / Co-organizer:** 上海国际汽车城  
Shanghai International Automobile City

### 简介 / Introduction :

为推动智能网联汽车技术发展, 深入探索和验证智能网联汽车在交通安全、节能环保等方面的实际收益, 基于局部区域先行先试的智能网联汽车示范项目已在全世界广泛开展, 我国上海、重庆、北京、杭州等地也正在建设智能网联汽车试点示范区。怎么去更好的建设智能网联汽车示范区? 如何更好的利用示范区来切实推动智能网联汽车技术进步和产业发展? 本专题分会将邀请国内外专家学者就以上相关问题展开讨论。

In order to promote the technology development on intelligent and connected vehicle (ICV), study and verify the ICV's effect in safety, energy-saving and environmental protection, the Pilot Zone Projects of ICV have already started around the world, including China Shanghai, Chongqing, Hangzhou and other places. How to construct the ICV pilot zone best? How to use the pilot zone best to promote the technology and industrial development of ICV? This session will invite experts and scholars at home and abroad to discuss the relevant issues.

### 议题 / Topics :

- 封闭试验场和公共道路示范区作用、规划、建设
- 封闭试验场与公共道路示范区之间的协同和衔接
- 示范区数据采集、管理、分析及应用
- 自动驾驶汽车使用公共道路测试的规范
- 各地示范区的协同发展
- Function, planning and construction of the closed test fields and public roads for ICV
- Coordination and convergence between the closed test fields and public roads in pilot zone
- Data acquisition, management, analysis and application
- Regulation for automation test on public roads
- Collaborative development of pilot zones in China

### 日程 / Agenda :



会议主席 / Chairman:  
**李克强 教授 / Prof. Li Keqiang**  
清华大学汽车工程系主任  
Head of Department of Automotive Engineering, Tsinghua University

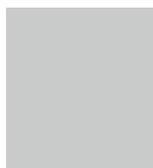


主持嘉宾 / Moderator:  
**戴一凡 博士 / Dr. Dai Yifan**  
清华大学苏州汽车研究院  
Suzhou Automobile Research Institute, Tsinghua University

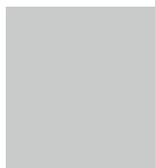
### 拟邀请演讲嘉宾 / Speakers to be invited:



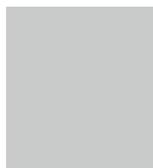
09:00-09:20  
**荣文伟 先生 / Mr. Rong Wenwei**  
上海国际汽车城(集团)有限公司, 董事长、总经理  
President / General Manage, Shanghai International Automobile City



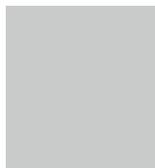
09:20-09:40  
**Henry Liu 教授 / Prof. Henry Liu**  
密歇根大学土木与环境工程学院, 教授  
Civil and Environmental Engineering, University of Michigan



09:40-10:00  
**Peter Janevik 先生 / Mr. Peter Janevik**  
AstaZero, 首席技术官  
CTO, AstaZero



10:00-10:20  
**刘奋 博士 / Dr. Liu Fen**  
上海汽车集团, 研发总监  
R&D Director, SAIC



10:20-10:40  
**孙亚夫 先生 / Mr. Sun Yafu**  
千方科技, 交通运输行业研发中心主任  
R&D Director, CHINA Transinfo



10:40-11:00  
**谢飞 先生 / Mr. Xie Fei**  
中国汽车工程研究院副总经理  
Deputy general manager, China Automotive Engineering Research Institute Co., Ltd

互动讨论 (约 30 分钟) Panel Discussion(about 30 minutes)

# 专题分会 (CICV) Special Sessions(CICV)

## V10: 智能网联汽车信息安全 Information Security for ICV

**时间及地点 / Date & Venue:** 2016年10月28日 09:00-11:30, 北展厅 A6 会议室  
09:00-11:30, Oct. 28, A6, North Exhibition Hall

**协办单位 / Co-organizer:** 奇虎 360 科技有限公司, 北京航空航天大学  
Qihoo360 Technology Co.,Ltd ; Beihang University

### 简介 / Introduction :

在能源、环境、安全、拥堵等诸多条件的约束下, 智能网联汽车已成为未来汽车发展重要方向。相关预测显示, 2020年, 约90%的新车将配置网联功能, 到2025年, 具备自动驾驶功能的汽车约达23万辆。然而, 随着汽车网联化、智能化、电动化不断推进, 汽车所面临的信息安全形势日趋严峻, 例如黑客攻击、安全漏洞等, 正在直接影响行车安全, 危及人身和财产安全, 甚至公共安全。

在此背景下, 本专题拟邀请科研机构 / 院校、汽车厂商、汽车供应商以及网络信息安全研究机构等, 围绕智能网联汽车信息安全关键技术、信息安全体系建设以及信息安全评价等方面内容进行交流讨论, 共同推动我国智能网联汽车信息安全水平的提升, 保障智能汽车产业的健康稳定发展。

Under the restriction of energy, environment, security, transportation and other conditions, the Intelligent Connected Vehicle (ICV) has become an important direction of future development. Related projections indicate that by 2020, about 90% of new cars will configure network Connected function, by 2025, with about 230 thousand cars configure this function. However, with the improvement of connected, intelligent or electric vehicle, the information security situation faced by the automobile is becoming increasingly serious, such as hacker attacks, vulnerabilities, etc., which are a direct impact on traffic safety, endanger personal and property safety and even public safety.

Based on this background, the subject intends to invite institutions / universities, automobile manufacturers, auto service manufacturers and internet security research institutions to communicate with each other on the key technology of ICV, information security system construction, information security evaluation and some other aspects to promote the development of ICV information security.

### 日程 / Agenda:

**主席 / Chairperson:**  
**王云鹏 教授 / Prof. Wang Yunpeng**  
北京航空航天大学交通科学与工程学院院长  
President, School of Transportation Science and Engineering, Beihang University

**主席 / Chairperson:**  
**谭晓生 先生 / Mr. Tan Xiaosheng**  
奇虎 360 科技有限公司副总裁  
Vice President, Qihoo360 Technology Co.Ltd



**主持嘉宾 / Moderator:**  
**余贵珍 副教授 / Asso.Prof. Yu Guizhen**  
北京航空航天大学交通科学与工程学院  
School of Transportation Science and Engineering, Beihang University

### 演讲嘉宾 / Speakers:

09:00-09:20  
**刘健皓 先生 / Mr.Liu Jianhao**  
奇虎 360 科技有限公司  
Qihoo360 Technology Co.,Ltd

09:20-09:40  
**李锋 先生 / Mr.Li Feng**  
比亚迪第五事业部软件中心总监  
Director, Business Division No.5, Software Center, BYD Co.Ltd.

09:40-10:00  
**严威 博士 / Dr. Yan Wei**  
Visual Threat, 创始人 & CEO  
Visual Threat, Founder & CEO

10:00-10:20  
**汽车网络安全挑战和对应**  
Automotive cybersecurity challenge and response  
**顾晓莉 女士 / Ms. Gu Xiaoli**  
泛亚汽车技术中心有限公司高级主任工程师  
Senior Staff Engineer, PATAS



10:20-10:40  
**网络安全在车联网产品中的应用**  
Network security design in connected car  
**詹德凯先生 / Mr.Zhan Dekai**  
华晨汽车工程研究院电子电气部部长  
Senior manager in E/E department, Brilliance Auto R&D Center

互动讨论 (约 30 分钟) Panel Discussion (about 30 minutes)

## T01: 内燃机技术

10月27-28日 / 北展厅 A1 会议室

主题：发动机燃烧技术及润滑	
主席：李理光 教授，同济大学 沈源 博士，浙江吉利动力总成研究院	
9:05-9:30	SCI 论文：Research on the performance of an electronically controlled spark ignition engine fuelled with hydrogen-rich gases - 姚春德 教授，天津大学
9:30-9:45	待邀请
9:45-10:00	2016CG-HE0057: 进气行程多次喷射对 GDI 发动机暖机过程燃烧与排放的影响研究 - 董伟，吉林大学汽车仿真与控制国家重点实验室
10:00-10:15	2016CG-HE0011: 节能型润滑油在中型货车上的行车试验研究 - 杨操，江苏龙蟠科技股份有限公司
10:15-10:30	2016CG-HE0035: 超高功率点火对直喷汽油机 EGR 稀释燃烧影响研究 - 陆海峰，同济大学
10:30-10:45	2016CG-HE0024: 柴油机离子电流检测系统及其参数研究 - 张志强，东风柳州汽车有限公司
10:45-11:00	2016CG-HE0046: 基于离子电流的缸内异常燃烧诊断 - 童孙禹，同济大学
11:00-11:15	2016CG-HE0044: 早燃 - 超级爆震调查方法及控制策略优化研究 - 苏方旭，北京汽车动力总成有限公司
11:15-11:30	2016CG-HE0038: 带电控废气旁通阀的发动机增压预控制计算与标定的研究 - 刘义强：宁波吉利罗佑发动机零部件有限公司
11:30-13:30	午餐 & 技术参观
10月27日	
主题：发动机热管理技术及燃烧优化	
主席：姚春德 教授，天津大学 邹博文 博士，中国汽车工程研究院，国家燃气汽车工程技术研究中心副主任	
13:30-13:45	待邀请
13:45-14:00	2016CG-HE0032: 基于 COOL3D 的发动机热管理系统仿真分析 - 尹旭，中国第一汽车股份有限公司技术中心
14:00-14:15	2016CG-HE0015: 基于整车 NEDC 循环工况的发动机能量流分布特性 - 刘寅童，长安汽车股份有限公司动力研究院
14:15-14:30	2016CG-HE0034: 脂肪酸甲酯 / 乙醇混合燃油喷雾的试验研究 - 李俊鸽，长安汽车股份有限公司动力研究院
14:30-14:45	2016CG-HE0043: 低压废气再循环对汽油机性能的影响 - 向清华，北京汽车动力总成有限公司
14:45-15:00	2016CG-HE0014: 汽油机冷却系统流固耦合传热性能分析 - 李军，重庆交通大学
15:00-15:15	2016CG-HE0019: 进气歧管喷水技术对汽油机性能影响计算分析 - 尹伊郡，中国第一汽车股份有限公司技术中心
15:15-15:30	2016CG-HE0036: 整体耦合传热对发动机冷却改进的数值计算 - 张忠元，吉林大学
15:30-15:45	2016CG-HE0052: 压缩比对内燃兰金循环燃烧过程影响的试验研究 - 崔亮，同济大学
15:45-15:50	茶歇 & 技术参观

## T01: Internal Combustion Engine Technology

Oct. 27-28 / A1, NEH

Topic: Engine Combustion Technology and Lubrication		
Chairperson: Prof. Li Liguang, Tongji University Dr. Shen Yuan, Zhejiang Geely Automobile Research Institute Co., Ltd.		
9:05-9:30	SCI Paper: Research on the Performance of an Electronically Controlled Spark Ignition Engine Fuelled with Hydrogen-rich Gases -Prof. Yao Chunde, Tongji University	
9:30-9:45	To be Invited	
9:45-10:00	2016CG-HE0057: Study on Effects of Multiple Injection at Intake Stroke on Combustion and Emissions of a GDI Engine Under Warm up Conditions - Dong Wei, the National Key Laboratory for Automotive Simulation and Control, Jilin University	
10:00-10:15	2016CG-HE0011:Field Test of Energy-saving Lubricating Oil on Medium Truck - Yang Cao, Jiangsu Lopal Tech. CO., LTD.	
10:15-10:30	2016CG-HE0035: A Ultra-High Power Ignition System for Egr-Diluted GDI Engine - Lu Haifeng, Tongji University	
10:30-10:45	2016CG-HE0024:Study on Parameters of Ion Current Detection System for Diesel Engine - Zhang Zhiqiang, Dongfeng Liuzhou Motor Com., LTD.	
10:45-11:00	2016CG-HE0046: In-Cylinder Abnormal Combustion Detection Using Ion Current Signal - Tong Sunyu, Tongji University	
11:00-11:15	2016CG-HE0044: The Study of Pre-ignition and Super Knock Investigation Method and Control Strategy Optimization - Su Fangxu, Beijing Motor Powertrain Corporation	
11:15-11:30	2016CG-HE0038: Study of Turbo Precontrol With Waste Gate Actuator - Liu Yiqiang, Ningbo Geely Royal Engine Components Co.,Ltd	
11:30-13:30	Lunch & Visit Exhibition	
Oct. 27	Topic: Engine Thermal Management Technology and Combustion Optimization	
	Chairperson: Prof. Yao Chunde, Tianjin Univeristy Dr. Zou Bowen, China Automotive Engineering Research Institute Co., Ltd.	
	13:30-13:45	To be Invited
	13:45-14:00	2016CG-HE0032: Simulation Analysis on Engine Thermal Management System based on COOL3D - Yin Xu, China FAW Co., Ltd. R&D Center
	14:00-14:15	2016CG-HE0015: Energy Flow Characteristics of Internal Combustion Engine under the Conditions of NEDC Cycle - Liu Yintong, Powertrain Engineering R&D Center, Changan Automobile Co.Ltd
	14:15-14:30	2016CG-HE0034: Experimental Research on Macroscopic and Microscopic Characteristics of Ethanol-Fatty Acid Methyl Ester Blends Sprays - Li Junge, Powertrain Engineering R&D Center, Changan automobile Co., Ltd
	14:30-14:45	2016CG-HE0043: The Effect of Low- pressure Exhaust Gas Recirculation on Gasoline Engine Performance - Xiang Qinghua, Beijing Motor Powertrain Corporation
	14:45-15:00	2016CG-HE0014: Fluid-Solid Coupling Heat Transfer Performance Analysis about Gasoline Engine Cooling System - Li Jun, Chongqing Jiaotong University
	15:00-15:15	2016CG-HE0019: The Effect of Water Injection into Intake Manifold on Proformance of a Gasline Engine - Yin Yijun, China FAW Co.Ltd R&D Center
	15:15-15:30	2016CG-HE0036: Numerical Simulation of Improvements to SI Engine Cooling System with the Integral Solid /Fluid Coupling Heat Transfer - Zhang Zhongyuan. Jilin University
	15:30-15:45	2016CG-HE0052: Effect of Compression Ratio on Combustion Process in Internal Combustion Rankine Cycle - Cui Liang, Tongji University
	15:45-15:50	Coffee Break & Visit Exhibition

## T01: 内燃机技术

10月27-28日 / 北展厅 A1 会议室

主题：发动机开发及零部件技术		
主席：李康 博士，中国第一汽车股份有限公司技术中心 李玉峰 先生，中国北方发动机研究所千人计划专家，研究员		
10月27日	15:50-16:10	SCI 论文：Analysis of an electricity-cooling cogeneration system for waste heat recovery of gaseous fuel engines - Shu Gequn, 天津大学
	16:10-16:25	2016CG-HE0004: 基于整车经济性的两级可变气门升程技术研究 - 王超, 宁波吉利罗佑发动机零部件有限公司
	16:25-16:45	邀请报告：发动机正向开发测试评价关键技术 - 张磊, 中国汽车工程研究院股份有限公司
	16:45-17:00	2016CG-HE0026: 专用制动凸轮发动机制动技术开发 邓金金, 中国第一汽车股份有限公司技术中心
	17:00-17:15	2016CG-HE0047: 外部 EGR 对增压直喷汽油机 HCCI 工况范围的影响 - 陈歆叶, 同济大学
	17:15-17:30	2016CG-HE0056: 高压共轨柴油机燃用 F-T 合成柴油燃烧及排放特性分析 - 张曙光, 吉林大学
	17:30-17:45	2016CG-HE0005: 一款用于 whoosh 噪声优化的谐振腔 - 张蒙蒙, 华晨汽车集团控股有限公司
	17:45-18:00	2016CG-HE0060: 两缸增压中冷柴油机涡轮增压器流动特性分析 - 刘慧杰, 北汽股份研究院
	18:00-18:15	2016CG-HE0025: 配气机构参数提高车用柴油机低速扭矩的研究 - 袁兆成, 吉林大学
主题：发动机电控及测试		
主席：于秀敏教授，吉林大学汽车工程学院 吴志军教授，同济大学汽车学院		
10月28日	9:05-9:30	邀请报告：新一代天然气乘用车技术发展趋势 - 邹博文, 中国汽车工程研究院 - 国家燃气汽车工程技术研究中心
	9:30-9:55	邀请报告：Powertrain Synthesis - A Revolutionary Method for Mastering Powertrain Complexity -IAV
	9:55-10:10	2016CG-HE0008: 高能点火对火花塞电极腐蚀的影响研究 - 蒋皓波, 同济大学
	10:10-10:25	2016CG-HE0048: 车用汽油机停缸技术的试验与仿真研究 - 于书海, 长城汽车股份有限公司
	10:25-10:40	2016CG-HE0055: 一种改进型串联式离子电流检测系统的爆震特性研究 - 李超, 同济大学
	10:40-10:55	2016CG-HE0066: 活塞环涂层摩擦磨损性能研究 - 李文平, 中国第一汽车股份有限公司技术中心
	10:55-11:10	2016CG-HE0012: 自由活塞式内燃机综述 - 陈钰婷, 浙江吉利动力总成研究院
	11:10-11:25	2016CG-HE0013: 缸内直喷汽油机多孔喷油器喷雾特性的试验研究 - 刘巨江, 广州汽车集团股份有限公司汽车工程研究院
	11:25-11:40	2016CG-HE0054: 可调二级增压系统对柴油机高原瞬态特性的影响和控制策略研究 - 王敏轩, 北京理工大学

## T01: Internal Combustion Engine Technology

Oct. 27-28 / A1, NEH

Topic: Engine Development and Component Technology	
Chairperson: Mr. Li Kang, China FAW Co.Ltd R&D Center Mr. Li Yufeng, Researcher, North China Institute of Engine	
Oct. 27	15:50-16:10 SCI Paper: Analysis of an Electricity-cooling Cogeneration System for Waste Heat Recovery of Gaseous Fuel Engines - Shu Gequn, Tianjin University
	16:10-16:25 2016CG-HE0004: Effect of Two-step Variable Valve Lift on Vehicle Fuel Economy - Wang Chao, NingBo Geely Royal Engine Components Co.,Ltd.
	16:25-16:45 Invited Report: Engine Forward Development Test Evaluation Key Technology - Zhang Lei, China Automotive Engineering Research Institute Co. Ltd.
	16:45-17:00 2016CG-HE0026: Development of Engine Brake Technology of Dedicated Braking Cam - Deng Jinjin, China FAW Co.,Ltd R&D Center
	17:00-17:15 2016CG-HE0047: Effects of External EGR on HCCI Operating Range Extension in a Turbocharged Gasoline Direct-injection Engine - Chen Xinye, Tongji University
	17:15-17:30 2016CG-HE0056: Combustion and Emission Characteristics Research of Fischer-Tropsch Diesel Fuel on High Pressure Common Rail Diesel Engine - Zhang Shuguang, Jilin University
	17:30-17:45 2016CG-HE0005: A Resonant Cavity to Optimize Whoosh Noise - Zhang Mengmeng, Brilliance Auto
	17:45-18:00 2016CG-HE0060: Flow Characteristics Analysis of Turbocharger of Two-cylinder Diesel Engines - Liu Huijie, BAIC Motor
	18:00-18:15 2016CG-HE0025: Study on the Effect of Valve Train Parameters on Increasing the Vehicle Diesel Torque at Low Speed Condition - Yuan Zhaocheng, Jilin University
	Topic: Engine Electronic Control & Testing Technology
Chairperson: Prof. Yu Xiumin, College of Automotive Engineering, Jilin University Prof. Wu Zhijun, School of Automotive Studies, Tongji University	
Oct. 28	9:05-9:30 Invited Report: Technology of Alternative Fuels for Automotive - Zou Bowen, China NGV Engineering Research Center, China Automotive Engineering Research Institute Co. Ltd.
	9:30-9:55 Invited Report: Powertrain Synthesis - A Revolutionary Method for Mastering Powertrain Complexity - IAV
	9:55-10:10 2016CG-HE0008: A Study on the Influence of Super High Energy Ignition on Spark Plug Electrode Erosion - Jiang Haobo, Tongji University
	10:10-10:25 2016CG-HE0048: Experimental and Simulated Study on the Cylinder Deactivation - Yu Shuhai, Great Wall Motor Co. Ltd
	10:25-10:40 2016CG-HE0055: Research on Knock Characteristics Based on a Modified form Tandem Ion Current Detecting System - Li Chao, Tongji University
	10:40-10:55 2016CG-HE0066: The study of Friction and Wear Capability of Piston Ring Coatings - Li Wenping, China FAW Co.,Ltd R&D Center
	10:55-11:10 2016CG-HE0012: A Review of Free Piston Engine - Chen Yuting, Zhejiang geely powertrain research institute
	11:10-11:25 2016CG-HE0013: Study on Characteristics of Multi-hole Injector for Gasoline Direct Injection Engine - Liu Jujiang, GAC Automotive Engineering Institute
	11:25-11:40 2016CG-HE0054: Research on Controlling Strategies of Regulated Two-stage Turbocharging System and Its Influences on Transient Characteristics of Diesel Engines at High Altitudes - Wang Minxuan, Beijing Institute of Technology

## T02: 变速器技术

10月27日上午 / 北展厅 A2 会议室

10月27日	会议主席: 孙国晖, 中国第一汽车股份有限公司技术中心	
	9:00-9:20	邀请演讲: 变速器集成式传感器 - 白玉峰 先生, 大陆集团中国变速器业务单元机械设计主管
	9:20-9:40	邀请演讲: 高强度粉末冶金技术在汽车应用中的作用 - Philipp Kauffmann 博士, 德昌电机 / 世科特国际 研究及创新经理
	9:40-10:00	邀请演讲: - 里卡多
	10:00-10:15	2016CG-TM0020: 基于驾驶需求的自动变速器换挡规律标定方法研究 - 李岩 先生, 中国第一汽车股份有限公司技术中心
	10:15-10:30	2016CG-TM0030: 干式 DCT 主离合器温升模型的简化与试验验证 - 房程亮 先生, 上海交通大学
	10:30-10:45	2016CG-TM0028: 军用越野车辆传动系统参数优化匹配研究 - 李博 先生, 北京理工大学
	10:45-11:00	待定
	11:00-11:15	SCI 论文: Method for Precise Controlling of the at Shift Control System - W. Guo, S. H. Wang, C. G. Su, W. Y. Li, X. Y. Xu, L. Y. Cui, 北京航空航天大学

## T03: 环保与排放控制技术

10月26日下午 / 北展厅 A3 会议室

10月26日	会议主席: 李孟良 教授, 中国汽车技术研究中心	
	15:50-16:05	2016CG-EE0011: 基于排放目标的汽油车闭环燃油控制优化 - 王勇, 重庆大学
	16:05-16:20	2016CG-EE0009: 二次空气在 V12 发动机上的标定策略研究 - 王巍 先生, 中国第一汽车股份有限公司技术中心
	16:20-16:35	2016CG-EE0013: DPF 碳烟捕集及压降特性研究 - 刘洪岐 博士, 吉林大学
16:35-16:50	2016CG-EE0033: 温度对新车车内污染物的研究分析 - 张传桢 女士, 北京理工大学	

## T02: Transmission Technology

Oct. 27 PM / A2, NEH

会议主席: Sun Guohui, China FAW Co.,Ltd. R&D Center		
Oct. 27	9:00-9:20	Invited Report: Transmission Sensor Cluster - Mr. Bai Yufeng, Mechanical team leader of BU TR China, Continental
	9:20-9:40	Invited Report: The Role of High Strength Powder Metal Technology in Automotive Applications -Dr. Philipp Kauffmann, Johnson Electric / Stackpole International Research & Innovation Manager
	9:40-10:00	Invited Report: -Ricardo Shanghai Co., Ltd.
	10:00-10:15	2016CG-TM0020: Analysis of Shift Schedule Calibration of Auto Transmission Based on Driver requirement - Mr. Li Yan, China FAW Co.,Ltd. R&D Center
	10:15-10:30	2016CG-TM0030: Simplified Thermal Model of K1 Clutch in a Dry DCT and Its Experimental Verification - Fang Chengliang, Shanghai Jiaotong University
	10:30-10:45	2016CG-TM0028: Research on Parameter Optimization of transmission system of military off-road vehicles - Mr. Li Bo, Beijing Institute of Technology
	10:45-11:00	TBD
	11:00-11:15	SCI Paper: Method for Precise Controlling of the at Shift Control System - W. Guo, S. H. Wang , C. G. Su, W. Y. Li, X. Y. Xu, L. Y. Cui, Beihang University

## T03:Environment and Emission Control Technology

Oct. 26 PM / A3, NEH

Chairperson: Prof. Li Mengliang, China Automotive Technology & Research Center		
Oct. 26	15:50-16:05	2016CG-EE0011: Closed-loop Fuel Control Optimization Based on Emission Target -Wang Yong, Chongqing University
	16:5-16:20	2016CG-EE0009: Study on Calibration of Secondary Air Injection System in a V12 Engine - Mr. Wang Wei, China FAW Co.,Ltd. R&D Center
	16:20-16:35	2016CG-EE0013: Research on Soot Filtration and Pressure Drop Characteristics of DPF - Dr. Liu Hongqi, Jilin University
	16:35-16:50	2016CG-EE0033: Research on the Pollutants of the New Car with Different Temperatures - Ms. Zhang Chuanzhen, Beijing Institute of Technology

## T04: 电动汽车技术

10月27日 / 北展厅 A3 会议室

10月27日	主题：电机及电驱动系统	
	会议主席：田光宇 教授，清华大学	
	13:30-13:50	2016CG-EV0013: 电动车永磁同步电机三相瞬态短路分析与测试研究 - 王斯博 先生, 中国第一汽车股份有限公司技术中心
	13:50-14:10	2016CG-EV0052: 基于一种改进型滑模观测器的永磁同步电机位置估计 - 朱大祥 先生, 同济大学汽车学院
	14:10-14:30	SCI 论文: Efficiency Study of a Dual-Motor Coupling EV Powertrain - 胡明辉, 重庆大学机械传动国家重点实验室
	14:30-14:50	邀请报告: Protean Drive® 轮毂电机 PD18 验证过程 - 陈国贤, 堡敦 (上海) 机电贸易有限公司
	14:50-15:10	2016CG-EV0033: 基于热网络法的永磁同步电机热阻参数提取及温升分析 - 孙晓吉 先生, 中国第一汽车股份有限公司技术中心
	15:10-15:30	邀请报告: 电动汽车的测试和评价 - 徐磊 先生, 中国汽车工程研究院股份有限公司主任工程师
	15:30-15:50	茶歇 & 技术参观
	主题：动力电池及管理系统	
	会议主席：田光宇 教授，清华大学	
	15:50-16:10	SCI 论文: Two-layer distributed equalization management system for electric vehicle power battery - 张相文, 桂林电子科技大学
	16:10-16:30	2016CG-EV0067: 锂离子电池低温充电的电化学 - 热耦合模型 - 罗阳 博士, 宝马 (中国) 服务有限公司
	16:30-16:50	邀请报告: 动力电池系统的有效保护方案 - 基于精准的压力与湿度控制 - Dr. Michael Harenbrock, 曼胡默尔滤清器 (上海) 有限公司
	16:50-17:10	SCI 论文: Data-driven State-of-Charge estimator for electric vehicles battery using robust extended Kalman filter - 熊瑞 博士, 北京理工大学机械与车辆学院
17:10-17:30	2016CG-EV0006: 锂离子动力电池系统可靠性模型研究方法 - 张红昌 先生, 普天新能源车辆技术有限公司	
17:30-17:50	2016CG-EV0022: 车用超级电容器静电容量和内阻测试方法的研究 - 陈书礼 先生, 中国第一汽车股份有限公司技术中心	

T04: Electric Vehicle Technology		
Oct. 27 / A3, NEH		
Oct. 27	Topic: Motor and E-Drive Technologies	
	Chairperson: Prof. Tian Guangyu, Tsinghua University	
	13:30-13:50	2016CG-EV0013: Analysis and Test Research for Three-phase short-circuit of Permanent Magnet Synchronous Motor for an Electric Vehicle -Mr. Wang Sib0, China FAW Co.,Ltd. R&D Center
	13:50-14:10	2016CG-EV0052: Based on an Improved Sliding Mode Observer for Position Estimation of PMSM -Mr. Zhu Daxiang, School of Automotive Studies, Tongji University
	14:10-14:30	SCI paper: Efficiency Study of a Dual-Motor Coupling EV Powertrain -Hu Minghui, State Key Laboratory of Mechanical Transmissions, Chongqing University
	14:30-14:50	Invited report: Protean Drive® PD18 Verification Process -Chen Guoxian, The Lead Vehicle Control System Engineer Co., Ltd
	14:50-15:10	2016CG-EV0033: Resistance Parameter Extraction and Thermal Analysis of PMSM Based on Thermal Network Method -Mr. Sun Xiaoji, China FAW Co.,Ltd. R&D Center
	15:10-15:30	Invited report: Testing and evaluation of electric vehicle -Mr. Xu Lei, Supervisor Engineer, China Automotive Engineering Research Institute, Co., Ltd
	15:30-15:50	Coffee Break & Visit Exhibition
	Topic: Fuel Cell and Management System	
	Chairperson: Prof. Tian Guangyu, Tsinghua University	
	15:50-16:10	SCI paper: Two-layer distributed equalization management system for electric vehicle power battery -Zhang Xiangwen, Guilin University of Electronic Technology
	16:10-16:30	2016CG-EV0067: Electrochemical-thermal Coupled model of Lithium-ion Batteries for Low Temperature Charging -Dr. Jan Romberg, BMW China Services Ltd.
	16:30-16:50	Invited report: Protection for HV Battery Systems - Pressure & Total Humidity Control -Dr. Michael Harenbrock, MANN+HUMMEL FILTER TRADING (SHANGHAI) CO. LTD.
	16:50-17:10	SCI paper: Data-driven State-of-Charge estimator for electric vehicles battery using robust extended Kalman filter -Dr. Xiong Rui, School of Mechanical and Automotive Engineering, Beijing Institute of Technology
	17:10-17:30	2016CG-EV0006: Methods on Lithium-ion Power Battery System Reliability Modeling -Mr. Zhang Hongchang, potevio New Energy Vehicle Technology Co.,Ltd
17:30-17:50	2016CG-EV0022: Research on Testing Methods of Supercapacitors' Capacitance and Internal resistant for Autos -Mr. Chen Shuli, China FAW Co.,Ltd. R&D Center	

## T04: 电动汽车技术

10月27-28日 / 北展厅 A4 会议室

10月27日	
主题：混合动力及电动汽车未来发展及关键技术	
田光宇 教授，清华大学	
13:30-13:50	SCI 论文: Effect of the unbalanced vertical force of a switched reluctance motor on the stability and the comfort of an in-wheel motor electric vehicle - 李以农 教授, 重庆大学机械传动国家重点实验室
13:50-14:10	SCI 论文: 商用车机电耦合系统的研究和应用进展 - 叶晓 博士, 精进电动科技(北京)有限公司
14:10-14:30	SCI 论文: Torque coordinating robust control of shifting process for dry dual clutch transmission equipped in a hybrid car - 赵治国, 同济大学汽车学院
14:30-14:50	2016CG-EV0071: 四轮独立驱动轮毂电机低频转矩脉动问题研究 - 李哲 先生, 重庆大学
14:50-15:10	2016CG-EV0074: 分布式驱动电动车辆的放宽静稳定控制 - 倪俊 先生, 北京理工大学
15:10-15:30	SCI 论文: Control algorithm of electric vehicle in coasting mode based on driving feeling - Daxu Sun, 华南理工大学机械与汽车工程学院
主题：电动汽车安全 & NVH 技术	
田光宇 教授，清华大学	
15:50-16:10	SCI 论文: Vehicle stability and attitude improvement through the coordinated control of longitudinal, lateral and vertical tyre forces for electric vehicles - 罗禹贡 教授, 清华大学汽车工程系
16:10-16:30	SCI 论文: Cornering stiffness and sideslip angle estimation based on simplified lateral dynamic models for four-in-wheel-motor-driven electric vehicles with lateral tire force information - Y. F. Lian, 吉林大学通信工程学院
16:30-16:50	SCI 论文: Lateral stability region conservativeness estimation and torque distribution for FWIA electric vehicle steering - 殷国栋 副院长, 东南大学
16:50-17:10	SCI 论文: Robust Lateral Motion Control of Electric Ground Vehicles With Random Network-Induced Delays - Xiaoyuan Zhu, 西北工业大学
17:10-17:30	2016CG-EV0002: 某纯电动轿车车内啸叫噪声改进与声品质提升 - 张守元 先生, 北京新能源汽车股份有限公司
10月28日	
主题：整车控制及能量管理	
会议主席：田光宇 教授，清华大学	
09:00-09:15	SCI 论文: Correctional DP-Based Energy Management Strategy of Plug-In Hybrid Electric Bus for City-Bus Route - 李亮 副教授, 清华大学汽车工程系
09:15-09:30	邀请报告: 针对联网混合动力汽车的最优预测控制 - Mariano Sans 博士, 大陆集团动力总成事业部高级技术专家
09:30-09:45	2016CG-EV0047: 基于在线 ECMS 的混合动力公交车能量优化与 HIL 仿真研究 - 单海强 先生, 江苏大学
09:45-10:00	2016CG-EV0059: 燃料电池增程式电动车能量管理策略研究 - 严薇娜 女士, 上汽大众汽车有限公司
10:00-10:15	2016CG-EV0010: 多模混合动力汽车的自主建模与最优构型设计 - 庄伟超 先生, 南京理工大学
10:15-10:30	SCI 论文: A Supervisory Control Strategy for Plug-In Hybrid Electric Vehicles Based on Energy Demand Prediction and Route Preview - 杨林 教授, 上海交通大学机械与动力工程学院
10:30-10:45	邀请报告: 基于控制分配的轮毂驱动式电动汽车回馈制动与 ABS 协调控制研究 - 殷国栋 副院长, 东南大学
10:45-11:00	2016CG-EV0021: 混合动力汽车行车起机过程驾驶性台架测试研究 - 韩巍 先生, 中国第一汽车股份有限公司技术中心
11:00-11:15	邀请报告: 隔热中间膜对汽车空调能耗贡献的研究 - 姚靖宇, 积水中间膜(苏州)有限公司市场部部长

## T04: Electric Vehicle Technology

Oct. 27-28 / A4, NEH

Topic: Future Development and Key Technologies of Hybrid and Electric Vehicles		
Chairperson: Prof. Tian Guangyu, Tsinghua University		
Oct. 27	13:30-13:50	SCI paper: Effect of the Unbalanced Vertical Force of a Switched Reluctance Motor on the Stability and the Comfort of an In-wheel Motor Electric Vehicle -Prof. Li Yinong, State Key Laboratory of Mechanical Transmissions, Chongqing University
	13:50-14:10	SCI paper: Research and Application on Mechanic-Electric Coupled Transmission for Commercial Vehicles -Dr. Ye Xiao, Jing-Jin Electric, Manager of Control System Software & Application
	14:10-14:30	SCI paper: Torque Coordinating Robust Control of Shifting Process for Dry Dual Clutch Transmission Equipped in a Hybrid Car -Zhao Zhiguo, School of Automotive Study, Tongji University.
	14:30-14:50	2016CG-EV0071: Research on Low Frequency Torque Ripple of In-Wheel Motor of Four Wheel Independent Drive -Mr. Li Zhe, Chongqing University
	14:50-15:10	2016CG-EV0074: Relaxed Statics Stability For All-wheel-drive Electric Vehicle Based On YAW Moment Control -Mr. Ni Jun, Beijing Institute of Technology
	15:10-15:30	SCI paper: Control Algorithm of Electric Vehicle in Coasting Mode Based on Driving Feeling -Daxu Sun, School of Mechanical and Automotive Engineering, South China University of Technology
	15:30-15:50	Coffee Break & Visit Exhibition
Topic: Safety and NVH Technology of Electric Vehicle		
Chairperson: Prof. Tian Guangyu, Tsinghua University		
	15:50-16:05	SCI paper: Vehicle Stability and Attitude Improvement through the Coordinated Control of Longitudinal, Lateral and Vertical Tyre Forces for Electric Vehicles -Prof. Luo Yugong, Department of Automotive Engineering, Tsinghua University
	16:05-16:20	SCI paper: Cornering Stiffness and Sideslip Angle Estimation based on Simplified Lateral Dynamic Models for Four-in-wheel-motor-driven Electric Vehicles with Lateral Tire Force Information -Y. F. Lian, College of Communication Engineering, Jilin University
	16:20-16:35	SCI paper: Lateral Stability Region Conservativeness Estimation and Torque Distribution for FWIA Electric Vehicle Steering -Prof. Yin Guodong, Southeastern University
	16:35-16:50	SCI paper: Robust Lateral Motion Control of Electric Ground Vehicles With Random Network-Induced Delays -Xiaoyuan Zhu, Northeastern Polytechnical University
	16:50-17:05	2016CG-EV0002: Whine Noise Improvement and Sound Quality Enhancement of an Electric Passenger Car -Mr. Zhang Shouyuan, Beijing New Energy automobile Stock Limited Corporation
Topic: Vehicle Control and Energy		
chairperson: Prof. Tian Guangyu, Tsinghua University		
Oct. 28	09:00-09:15	SCI Paper: Correctional DP-Based Energy Management Strategy of Plug-In Hybrid Electric Bus for City-Bus Route -Prof. Li Liang, Department of Automotvie Engineering, Tsinghua Univeristy
	09:15-09:30	Invited report: Optimal Predictive Control for Connected Hybrid Vehicles - Dr. Mariano Sans, Senior Technical Expert, Continental Automotive France
	09:30-09:45	2016CG-EV0047: Optimal Energy Management and HiL Validation for Hybrid Electric Bus Based on On-line ECMS -Mr. Shan Haiqiang, Jianguo University
	09:45-10:00	2016CG-EV0059: The Research Energy Management Strategy for Fuel Cell Extended - Range Electric Vehicle -Yan Weina, SAIC Volkswagen Automotvie Co., Ltd.
	10:00-10:15	2016CG-EV0010: Automated Modeling and Optimal Configuration Design of Multi-mode Hybrid Electric Vehicles -Zhuang Weichao, Nanjing University of Science and Technology
	10:15-10:30	SCI paper: A Supervisory Control Strategy for Plug-In Hybrid Electric Vehicles Based on Energy Demand Prediction and Route Preview -Prof. Yang Lin, School of Mechanical Engineering, Shanghai Jiaotong University
	10:30-10:45	Invited report: Coordinated Braking Control for In-Wheel-Motor-Driven Electric Vehicles with Regenerative and Antilock Braking System Based on Control Allocation -Prof. Yin Guodong, Southeastern University
	10:45-11:00	2016CG-EV0021: Study on Driving Performance of HEV During Engine Starting Process Based on Powertrain Test Bed -Mr. Han Wei, China FAW Co.,Ltd. R&D Center
	11:00-11:15	Invited report: Sekisui S-lec (suzhou) co., ltd.

## T05: 智能网联汽车技术

10月27日上午 / 北展厅 A6 会议室

10月27日	主题: 智能汽车 - 安全节能	
	主席: 陈慧 教授, 同济大学	
	09:00-09:20	邀请报告: 不同分心等级认知次任务对驾驶人视觉和操作行为的影响 - 付锐, 长安大学
	09:20-09:35	2016CG-IVT0012: 基于快速区域卷积神经网络的交通标志识别算法研究 - 钟晓明, 北京航空航天大学交通科学与工程学院
	09:35-09:50	2016CG-IVT0009: 基于数据驱动增强学习的自动驾驶车辆路径规划 - 方啸, 奇瑞汽车股份有限公司前瞻技术研究院
	09:50-10:05	2016CG-IVT0022: 能量耗散下智能车辆纵横向耦合控制 - 张蕊, 天津职业技术师范大学
	10:05-10:20	2016CG-IVT0004: 基于 LED 车灯的光通信自适应接收方法 - 徐涛, 重庆长安汽车股份有限公司汽车研究总院
	10:20-10:40	SCI 论文: Field operational test of advanced driver assistance systems in typical Chinese road conditions: The influence of driver gender, age and aggression - G. Li, S. Eben Li, B. Cheng
	主题: 智能汽车 - 互联互通	
	主席: 陈慧 教授, 同济大学	
	10:40-11:00	SCI 论文: Real-Time Path Planning Based on Hybrid-VANET-Enhanced Transportation System, 2016 (5) - Miao Wang ; Hanguan Shan ; Rongxing Lu ; Ran Zhang , Xuemin Shen ; Fan Bai
	11:00-11:15	2016CG-IGT0009: 基于复杂度优化思想的车载网络架构开发 - 王建, 清华大学
	11:15-11:30	2016CG-IGT0006: 基于车联网的驾驶博弈行为仿真 - 马力, 吉林大学交通学院车辆运行仿真研究室
	11:30-11:45	2016CG-ITS0003: 基于多维度增益预测和数据融合的 VANETs 可靠广播模型 - 何俊婷, 中国第一汽车股份有限公司技术中心

## T05: Intelligent and Connect Vehicles

Oct. 27 PM / A6, NEH

Oct. 27	Topic: Intelligent Vehicle -- Safety, Energy Saving	
	Chairperson: Prof. Chen Hui, Tongji University	
	09:00-09:20	Invited Report: Effects of Different Levels of Distraction on Driver's Visual and Operational Behavior - Fu Rui, Changan University
	09:20-09:35	2016CG-IVT0012: Traffic Sign Recognition Based on Fast Region-based Convolutional Neural Networks - Zhong Xiaoming, School of Transportation Science and Engineering, Beihang University
	09:35-09:50	2016CG-IVT0009: Data-driving Reinforcement Learning on Autonomous Vehicle Path Planning - Fang Xiao, Chery Scientific Research Institute
	09:50-10:05	2016CG-IVT0022: Energy Dissipation on Longitudinal and Lateral Coupling Control for Intelligent Vehicle - Zhang Rui, Tianjin University of Technology and Education
	10:05-10:20	2016CG-IVT0004: Method of Adaptive Reception for Light Communication Based on LED Automotive Lighting - Xu Tao, Changan Auto Global R&D Centre
	10:20-10:40	SCI Paper: Field Operational Test of Advanced Driver Assistance Systems in Typical Chinese Road Conditions: the Influence of Driver Gender, Age and Aggression - G. Li, S. Eben Li, B. Cheng
	Topic: Intelligent Vehicle -- Connectivity	
	Chairperson: Prof. Chen Hui, Tongji University	
	10:40-11:00	SCI Paper: Real-Time Path Planning Based on Hybrid-VANET-Enhanced Transportation System, 2016 (5) - Miao Wang ; Hanguan Shan ; Rongxing Lu ; Ran Zhang , Xuemin Shen ; Fan Bai
	11:00-11:15	2016CG-IGT0009: In-Vehicle Network Architecture Development: Optimization from the Complexity Perspective - Wang Jian, Tsinghua University
	11:15-11:30	2016CG-IGT0006: Simulation of Driving Game Behavior based on Vehicular Ad-hoc Network - Ma Li, Transportation College, Jilin University
	11:30-11:45	2016CG-ITS0003: A Reliable Broadcast Routing Model based on Multi-dimensional Gain Prediction and the Information Fusion Theory for VANETs - He Junting, China FAW Co.,Ltd. R&D Center

## T06: 汽车仿真与测试

10月27日下午 / 北展厅 A8 会议室

10月27日	主题: 测试、仿真推动汽车品质提升	
	会议主席: 李功清, 中国汽车技术研究中心	
	13:30-13:50	邀请演讲: Active Aerodynamics Enablers for Trucks; Optimal Set-up in Crosswind Scenarios - Enric Aramburu, Applus+ IDIADA
	13:50-14:10	邀请演讲: 乘用车燃油经济性敏感度研究 - 王岭, 东风汽车公司技术中心
	14:10-14:30	邀请演讲: X In the Loop 仿真测试方案分享 - 薛俊亮, 北京经纬恒润科技有限公司
	14:30-14:45	2016CG-TT0021: 电动车正面碰撞安全性能分析与结构优化 - 王晋 先生, 华晨汽车集团控股有限公司
	14:45-15:00	2016CG-TT0044: 基于 STAR-CCM+ 的某轿车减阻优化研究 - 李林, 重庆长安汽车股份有限公司汽车研究总院
	15:00-15:15	2016CG-TT0058: 基于 Stewart 平台的商用车保险杠疲劳仿真研究 - 闫鑫 先生, 中国第一汽车股份有限公司技术中心
	15:15-15:30	2016CG-TT0070: 工程专用自卸车车架疲劳寿命分析 - 王铁 教授, 太原理工大学
	15:30-15:50	茶歇 & 技术参观
	15:50-16:05	2016CG-TT0108: 基于整车误用工况的发动机悬置支架结构优化研究 - 郭绍良, 广州汽车集团股份有限公司汽车工程研究院
	16:05-16:20	2016CG-TT0110: 基于多分辨分析的 MEARTH 方法及其在汽车安全仿真模型确认中的应用 - 张玉峰, 重庆大学
16:20-16:35	2016CG-TT0087: 驾驶人无意识车道偏离识别别人-车-路特性分析 - 胡宏宇 副教授, 吉林大学	

## T06: Automotive Simulation and Testing

Oct. 27 AM / A8, NEH

Oct. 27	Topic: Test and Simulation to Improve the Quality of Automobile	
	Chairperson: Li Gongqing, China Automotive Technology & Research Center	
	13:30-13:50	Invited Report: Active Aerodynamics Enablers for Trucks; Optimal Set-up in Crosswind Scenarios - Enric Aramburu, Applus IDIADA
	13:50-14:10	Invited Report: Sensitive Research of Passenger Car Fuel Economy - Wang Ling, Research Center, DFMC
	14:10-14:30	Invited Report: X In the Loop Simulation Test Solution - Xue Junliang, HiRain Technologies Co., Ltd
	14:30-14:45	2016CG-TT0021: Frontal Impact Safety Performance Analysis and Structure Optimization of Electric Vehicle - Mr. Wang Jin, HuaChen Group Auto Holding Co.,Ltd.
	14:45-15:00	2016CG-TT0044: A Car Drag Reduction Optimization Research Based on STAR-CCM+ - Li Lin, Changan Auto Global R&D Center
	15:00-15:15	2016CG-TT0058: Fatigue Simulation Analysis of Commercial Truck's Bumper System based on Stewart Platform - Mr. Yan Xin, China FAW Co.,Ltd. R&D Center
	15:15-15:30	2016CG-TT0070: Special Engineering Dump Truck Frame Fatigue Life Analysis - Prof. Wang Tie, Taiyuan University of Technology
	15:30-15:50	Coffee Break & Visit Exhibition
	15:50-16:05	2016CG-TT0108: Research on Structure Optimization of Engine Mount Bracket Based on Misuse Working Condition - Guo Shangliang, Engineering Institute, Guangzhou Automobile Group Co., Ltd, Automotive
	16:05-16:20	2016CG-TT0110: Multiresolution Based MEARTH Method for the Model Validation of Automotive Safety Simulation - Zhang Yufeng, Chongqing University
	16:20-16:35	2016CG-TT0087: Study on Driving Characteristics of Unintentional Lane Departure - Prof. Hu Hongyu, Jilin University

## T07: 汽车新材料与轻量化

10月26日下午 / 南展厅 A9 会议室

10月26日	会议主席: 王利, 宝山钢铁股份有限公司研究院 付玉生, 上汽集团乘用车公司	
	13:30-13:45	2016CG-LW0003: 行李箱地毯用新型复合材料的应用 - 石腾龙 先生, 东风汽车技术中心
	13:45-14:00	邀请报告: 汽车新内饰材料技术的运用: 新一代 PVC powder slush - 蔡斌斌 先生, 三菱化学功能塑料(中国)有限公司高级销售经理
	14:00-14:15	2016CG-LW0021: 汽车底盘悬架关键部件轻量化设计探讨 - 林涌周 先生, 广州汽车集团股份有限公司汽车工程研究院
	14:15-14:30	邀请报告: 超轻薄板高强度玻璃在汽车产业的展望 - 藤田浩之 先生, 旭硝子株式会社统括主管中国担当
	14:30-14:45	2016CG-LW0008: 固溶处理对 Fe-Mn-Al-Si 轻质冷轧钢组织性能影响 - 史文 教授, 上海大学
	14:45-15:00	2016CG-LW0019: 汽车保险杠使用 PBT 合金材料的研究 - 林博 先生, 华晨汽车工程研究院
	15:00-15:15	邀请报告: 轻量化解决方案的构建及案例 - 路洪洲 博士, 中信微合金化技术中心高级技术经理
	15:15-15:30	邀请报告: 某轻型客车复合材料板簧性能匹配与优化设计 - 史文库 教授, 吉林大学

## T08: 先进汽车车身设计

10月26日下午 / 南展厅 A9 会议室

10月26日	主题: 先进汽车车身设计与制造	
	会议主席: 钟志华 院士, 中国工程院 李光耀 教授, 湖南大学	
	15:50-16:05	邀请报告: 汽车车身异种金属磁脉冲焊接机理研究与性能评价 - 李光耀 教授, 湖南大学
	16:05-16:20	2016CG-BD0018: 基于薄壁梁压溃和弯曲理论的前纵梁轻量化设计 - 陈光 博士, 河北工业大学
	16:20-16:35	2016CG-BD0026: 白车身焊点开裂风险评估及优化 - 邓道林 先生, 中国第一汽车股份有限公司技术中心
	16:35-16:50	2016CG-BD0052: 板料冲压工艺参数容差优化设计方法及应用 - 张振明 先生, 北京汽车股份有限公司汽车研究院
	17:50-17:05	2016CG-BD0051: 基于多体动力学的某车架疲劳耐久性分析 - 张勤 先生, 华南理工大学
	17:05-17:20	2016CG-BD0047: 基于缓和曲线曲率修正的中滑门平顺性提升 - 周五峰 女士, 重庆长安汽车股份有限公司
	17:20-17:35	2016CG-BD0003: 基于参数化模型的车身结构优化设计 - 王磊 先生, 华晨汽车工程研究院
	17:35-17:50	2016CG-BD0019: 轿车车身结构件设计方法研究 - 李仲奎 先生, 东风汽车公司技术中心
17:50-18:05	邀请报告: 基于概念设计的车身结构共享模块划分及筛选算法 - 侯文彬 教授, 大连理工大学	

## T07: New Materials and Lightweight Technology

Oct. 26 PM / A9, SHE

Oct. 26	Chairperson: Mr. Wang Li, Baosteel Co., Ltd. Mr. Fu Yusheng, SAIC MOTOR	
	13:30-13:45	2016CG-LW0003: The Research on New Type of Composite Materials of the Trunk Capet -Mr. Shi Tenglong, Dongfeng Motor Corporation Technical Center
	13:45-14:00	Invited Report: Slash PVC Technical Innovation for Automotive -Mr. Cai Bincheng, Mitsubishi Chemical Performance Polymers (China) Co.,Ltd.
	14:00-14:15	2016CG-LW0021: Discussion on Lightweight Development and Application of Key Components for Chassis Suspension -Mr. Lin Yongzhou, Guangzhou Automobile Group Co., Ltd, Automotive Engineering Institute
	14:15-14:30	Invited Report: Application of the Ultra-thin Reinforced Glass to Automotive Glazing -Mr. Fujita Hiroyuki, ASAHI Glass Co., Ltd. Senior Manager in Charge of China Market
	14:30-14:45	2016CG-LW0008: Effect of Solution Treatment on Structure and Mechanical Properties of Fe-Mn-Al-Si Light Steel After Cold Rolling -Prof. Shi Wen, Shanghai University
	14:45-15:00	2016CG-LW0019: Research on Automobile Bumper Using the PBT Alloy Materials -Mr. Kingslin Lin, Brilliance-auto Research and Design Center
	15:00-15:15	Invited Report: Lightweight Solutions and Showcase -Dr. Lu Hongzhou, CITIC Metal Co., Ltd Senior Technology Manager
	15:15-15:30	Invited Report: Study on Optimization and Performance-match of Composite Leaf Spring for a Light Bus -Prof. Shi Wenku, Jilin University

## T08: Advanced Car Body Design

Oct.26 PM / A9, SHE

Oct. 26	Advanced Car Body Design and Manufacture	
	Chairperson: Dr. Zhong Zhihua, Academician, Chinese Academy of Engineering Prof. Li Guangyao, Hunan University	
	15:50-16:05	Mechanism Study and Performance Evaluation of Dissimilar Metal Magnetic Pulse Welding for Auto Body - Prof. Li Guangyao, Hunan University
	16:05-16:20	2016CG-BD0018: Lightweight of Car' s Front Rails Based on the Theory of Thin-walled Beam Crush and Bending -Dr. Chen Guang, Hebei University of Technology
	16:20-16:35	2016CG-BD0026: Damage Risk Evaluation and Optimization for BIWs Spots-weld -Mr. Deng Daolin, China FAW Group Corporation R&D Center
	16:35-16:50	2016CG-BD0052: Sheet Metal Forming Process Parameter Tolerance Optimization Method and Applications -Mr. Zhang Zhenming, BAIC Motor Corporation Ltd. R&D Center
	17:50-17:05	2016CG-BD0051: Fatigue Durability Analysis of a Frame Based on Multi Body Dynamics -Mr. Zhang Qin, South China University Of Technology
	17:05-17:20	2016CG-BD0047: Optimization for the Smoothness of Automotive Sliding Door Based on Curvature Modification with Transition Curve -Ms. Zhou Wufeng, Chongqing Changan Automobile Co., Ltd.
	17:20-17:35	2016CG-BD0003: Optimization Design of BIW Based on Parametric Model -Mr. Wang Lei, Brilliance-auto Research and Design Center
	17:35-17:50	2016CG-BD0019: A Study on the Design Method of Car Body Structure Part -Mr. Li Zhongkui, Dongfeng Motor Corporation Technical Center
17:50-18:05	Invited Report: Platform Shared Modular Partition and Selection Algorithm in Conceptual Vehicle Body Design -Prof. Hou Wenbin, Dalian University of Technology	

## T09: 振动噪声控制技术

10月27日下午 / 2楼多功能大会议室东

10月27日	主题: 汽车风噪测试、预测与控制技术	
	会议主席: 贺银芝 教授, 同济大学	
	13:30-13:50	邀请报告: 汽车风噪声研究与控制技术进展 - 贺银芝 教授, 同济大学
	13:50-14:05	2016CG-NV0051: 侧风下某车型 A 柱风噪优化研究 - 王俊 先生, 重庆长安汽车股份有限公司汽车工程研究总院
	14:05-14:20	2016CG-NV0024: 后视镜安装位置对侧窗风噪影响的分析及实验研究 - 邓朝义 先生, 重庆长安汽车股份有限公司汽车研究总院
	14:20-14:35	2016CG-NV0086: 汽车前围隔声性能计算及应用 - 彭程 先生, 广州汽车集团股份有限公司汽车工程研究院
	15:30-15:50	茶歇 & 技术参观
	动力总成 NVH 控制技术	
	会议主席: 杨金才 博士, 重庆长安汽车股份有限公司汽车工程研究总院	
	15:50-16:10	邀请报告: 长安动力总成 NVH 开发现状及未来发展 - 杨金才 博士, 重庆长安汽车股份有限公司汽车工程研究总院
	16:10-16:30	邀请报告: 集成 NVH 的动力传动系统开发流程 - 林志鸿 先生, 美国车桥亚洲区产品工程高级经理
	16:30-16:45	邀请报告: 发动机悬置的半主动主动控制技术进展 - 史文库 教授, 吉林大学
	16:45-17:00	2016CG-NV0008: 基于磁流变悬置系统的整车动力学建模及控制策略研究 - 邓召学, 重庆交通大学
	17:00-17:15	2016CG-NV0020: 增压汽油发动机高频噪声试验研究 - 冉超 先生, 上海索菲玛汽车滤清器有限公司
17:15-17:35	邀请报告: MDC Daetwyler (China)	
17:35-17:50	邀请报告: 增压器气流声引起的 NVH 主观问题和控制方法研究 - 金岩 博士, 中国汽车工程研究院股份有限公司汽车 NVH 技术中心主任	

## T09: NVH Technology

Oct. 27 PM / Multifunctional Conference Room East, 2F, SAEC

Oct. 27	Wind Noise Test, Prediction and Control Technology in Automotives	
	Chairperson: Prof. He Yinzhi, Tongji University	
	13:30-13:50	Invited Report: Advances in Research and Control Technology of Automotive Wind Noise -Prof. He Yinzhi, Tongji University
	13:50-14:05	2016CG-NV0051: Study on Aeroacoustic Noise Optimization for a Vehicle A-pillar under Cross Wind -Mr. Wang Jun, Chongqing Changan Auto R & D Center, Changan Automobile Co., Ltd.
	14:05-14:20	2016CG-NV0024: Numerical Analysis and Experimental Research for the Influence of Greenhouse Panels Wind Noise of the Locations of Rear-View Mirror -Mr. Deng Chaoyi, Chongqing Changan Auto R & D Center, Changan Automobile Co., Ltd.
	14:20-14:35	2016CG-NV0086: The Calculation and Application of the Vehicle Dash Sound Insulation -Mr. Peng Cheng, Guangzhou Automobile Group Co.LTD Automotive Engineering Institute
	15:30-15:50	Coffee Break & Visit Exhibition
	Powertrain NVH Control Technology	
	Chairperson: Dr. Yang Jincai, Chongqing Changan Auto R & D Center, Changan Automobile Co., Ltd.	
	15:50-16:10	Invited Report: Development Status and Future Research of NVH in Changan Power Train -Dr. Yang Jincai, Chongqing Changan Auto R & D Center, Changan Automobile Co., Ltd.
	16:10-16:30	Invited Report: Integrated NVH Development During Driveline System Development Process -Mr. Johnson Lin, AAM, Senior Manager PE Asia
	16:30-16:45	Invited Report: Progress of Active or Half Active Engine Mounts -Prof. Shi Wenku, Jilin University
	16:45-17:00	2016CG-NV0008: Research on Full-vehicle Dynamics Modeling and Control Strategy Based on Magneto-rheological Mounting System -Deng Zhaoxue, Chongqing Jiaotong University
	17:00-17:15	2016CG-NV0020: Characteristics of High-frequency Noise in a Turbocharged Gasoline Engine -Mr. Ran Chao, Sofima Automotive Filter (Shanghai) Co., Ltd
	17:15-17:35	Invited Report: MDC Daetwyler (China)
	17:35-17:50	Invited Report: Study on the Subjective Problems and Control Methods of NVH in the Turbocharger with the Airflow Noise -Dr. Jin Yan, China Automotive Engineering Research Institute Co., Ltd.,

## T10: 悬架技术

10月28日上午 / 2楼多功能大会议室东

10月28日	主题: 汽车底盘悬架技术	
	会议主席: 林逸 教授, 北京汽车集团 副总工程师 陈潇凯 教授, 北京理工大学	
	9:00-9:15	SCI 论文: Novel Evaluation Method of Vehicle Suspension Performance Based on Concept of Wheel Turn Center - 吉林大学
	9:15-9:30	2016CG-CI0017: 基于电磁阀式阻尼连续可调减振器的 半主动悬架试验研究 - 李罡, 广州汽车集团股份有限公司汽车工程研究院
	9:30-9:50	邀请报告: Benteler-Toe-Correcting-Twistbeam (BTCT) - Extended Usage of Twistbeam Axles - Benteler
	9:50-10:05	2016CG-CI0019: 商用车驾驶室全浮悬置系统正向开发流程研究 - 黄德惠 先生, 一汽解放青岛汽车有限公司
	10:05-10:20	2016CG-CI0005: 大学生方程式赛车多连杆悬架设计及优化 - 王乐, 太原理工大学
	10:20-10:35	2016CG-CI0011: 基于半主动悬架侧倾力矩分配的横摆稳定性控制 - 姚嘉凌 教授, 南京林业大学
	10:35-10:50	2016CG-CI0005: 考虑系统不确定性的汽车悬架系统自适应反推控制 - 庞辉 博士, 西安理工大学
	10:50-11:05	邀请报告: 新一代商用车轻量化高性能板簧设计 - 王治宝, 山东雷帕得汽车技术股份有限公司
11:05-11:20	SCI 论文: Statistical Linearization on 2 DOFs Hydropneumatic Suspension with Asymmetric Non-linear Stiffness - 北京理工大学	

## T10: Suspension System

Oct. 28 AM / Multifunctional Conference Room East, 2F, SAEC

Chassis Suspension System	
Chairperson: Prof. Lin Yi, Vice Chief Engineer, Beijing Automotive Industry Holding Co., Ltd. (BAIC) Prof. Chen Xiaokai, Beijing Institute of Technology	
9:00-9:15	SCI Paper: Novel Evaluation Method of Vehicle Suspension Performance Based on Concept of Wheel Turn Center -Jilin University
9:15-9:30	2016CG-CI0017: Test Research on Semi-suspension Based on Solenoid-actuated Continuously Variable Shock Absorber -Li Gang, Guangzhou Automobile Group Co.,LTD Automotive Engineering Institute
9:30-9:50	Invited Report: Benteler-Toe-Correcting-Twistbeam (BTCT) - Extended Usage of Twistbeam Axles -Benteler
9:50-10:05	2016CG-CI0019: Research on the Forward Development Process of the Full-floating Suspension System of Commercial Vehicle Cab -Mr. Huang Dehui, FAW Jiefang Qingdao Automobile CO., LTD.
10:05-10:20	2016CG-CI0005: Design and Optimization of Multi-link Suspension in Formula Society of Automotive Engineers Racing Car -Weller, Taiyuan University of Technology
10:20-10:35	2016CG-CI0011: Control of the Yaw Stability Based on Roll Moment Distribution Via Semi-active Suspension -Prof. Yao Jialing, Nanjing Forestry University
10:35-10:50	2016CG-CI0005: Adaptive Backstepping Controller Design for Vehicle Suspension System with Considering System Uncertainties -Dr. Pang Hui, Xi'an University of Technology
10:50-11:05	Invited Report: High-Performance Lightweight Leaf Springs for Commercial Vehicle - Wang Zhibao, Shandong Leopard Automotive Holdings LTD
11:05-11:20	SCI Paper: Statistical Linearization on 2 DOFs Hydropneumatic Suspension with Asymmetric Non-linear Stiffness -Beijing Institute of Technology

## T11: 汽车电子技术

10月27日下午 / 2楼1号会议室

会议主席: 吴泽民 先生, 东风汽车公司技术中心部长兼电子电器总师

10月27日	13:30-13:50	邀请报告: 二代 eDC (电子动力学控制系统) - Lan Willows, 米拉车辆工程技术 (上海) 有限公司
	13:50-14:10	邀请报告: 电子驻车制动系统 - 周彩艳 女士, 意法半导体动力总成及安全事业部市场经理
	14:10-14:25	2016CG-VE0006: Research on Automatic Automobile Air-conditioning Controller - 杨波, 广州汽车集团股份有限公司汽车工程研究院
	14:25-14:40	2016CG-VE0082: EPS 的功能安全设计 - 苏谢祖 先生, 同济大学
	14:40-14:55	2016CG-VE0018: 整车电量平衡设计 - 王涛, 东风汽车公司技术中心
	14:55-15:10	2016CG-VE0057: 永磁同步电机弱磁调速控制策略研究 - 潜磊, 吉林大学
	15:30-15:50	茶歇 & 技术参观
	15:50-16:10	邀请报告: 车辆避撞可行域研究 - 卓桂荣, 同济大学
	16:10-16:30	SCI 论文: Central Electric-Motoring-Assisted Handling Control System for Electrified Vehicles - 福特汽车
	16:30-16:45	2016CG-VE0045: 基于悬架行程解耦的 SUV 路面不平度识别算法研究 - 张建, 中国第一汽车股份有限公司技术中心
	16:45-17:00	邀请报告: 基于 CANFD 总线的车载 Bootloader 设计与实现 - 赵亚楠, 北京经纬恒润科技有限公司
	17:00-17:15	2016CG-VE0027: 面向汽车操纵稳定性的 EPS 助力算法设计方法 - 方晨曦, 北京经纬恒润科技有限公司
	17:15-17:30	2016CG-VE0073: 三元催化转化器劣化诊断技术研究 - 颜松, 中国第一汽车股份有限公司技术中心

## T11: Automotive Electronic Technology

Oct. 27 PM / Meeting Room 1, 2F, SAEC

Chairperson: Mr. Wu Zemin, Dongfeng Motor Corporation Technical Center		
Oct. 27	13:30-13:50	Invited Report: eDC2 (Electric Dynamic Control System) -Lan Willows, Horiba Mira Ltd
	13:50-14:10	Invited Report: Electrical Parking Brake (EPB) -Ms. Evennie Zhou, STMicroelectronics, Marketing Section Manager, Powertrain and Safety BU
	14:10-14:25	2016CG-VE0006: Research on Automatic Automobile Air-conditioning Controller -Yang Bo, Guangzhou Automobile Group Co., Ltd, Automotive Engineering Institute
	14:25-14:40	2016CG-VE0082: Functional Safety on EPS -Mr. Su Xiezu, Tongji University
	14:40-14:55	2016CG-VE0018: The Power Balance Design Of Vehicle -Wang Tao, Dongfeng Motor Corporation Technical Center
	14:55-15:10	2016CG-VE0057: Research on Flux Weakening Speed Control Strategy for PMSM -Qian Lei, Jilin University
	15:30-15:50	Coffee Break & Visit Exhibition
	15:50-16:10	Invited Report: TBD -Zhuo Guirong, Tongji University
	16:10-16:30	SCI Paper: Central Electric-Motoring-Assisted Handling Control System for Electrified Vehicles -Ford Motor Co.,
	16:30-16:45	2016CG-VE0045: The Road Roughness Identification Algorithm for SUVs Based on Decoupling of Suspension Displacement -Zhang Jian, China FAW Group Corporation R&D Center
	16:45-17:00	Invited Report: Design and Implementation of Bootloader Based on CANFD Protocol -Zhao Yanan, HiRain Technologies
	17:00-17:15	2016CG-VE0027: Research on the Control Algorithm of EPS for Vehicle Handling Stability -Fang Chenxi, HiRain Technologies
	17:15-17:30	2016CG-VE0073: A Study of Three-way Catalyst Deterioration Monitoring -Yan Song, China FAW Group Corporation R&D Center

## T12: 机加工、检测与测量

10月27日 / 博物馆5层

10月27日	会议主席: 蒋治成 先生, 东风汽车公司 李明 教授, 上海大学	
	9:00-9:10	嘉宾致辞 - 邹恒琪 女士, 东风汽车公司副总工程师
	9:10-9:35	邀请报告: 显微镜法清洁度的原理与应用 - 王守壮, 上海欧波同光学技术有限公司 - 孙杰锋, 洁肯膜有限公司
	9:35-09:55	2016CG-VD0084: 工业 4.0 中的几何精度测量与关键技术 - 李明, 上海大学
	09:55-10:20	2016CG-VD0087: 基于感应淬火热处理的小型铸铁曲轴圆角强化工艺的与实践与验证 - 李伟 先生, 上海大众动力总成有限公司
	10:20-10:45	邀请报告: 用于燃油系统的泄漏检测技术 - 汪勇, MARPOSS 马波斯(上海)商贸有限公司南京运营总部
	10:25-10:45	2016CG-VD0060: 氢检测仪在发动机检漏中的试验研究 - 王琦, 一汽解放汽车有限公司无锡柴油机厂
	10:45-11:10	邀请报告: 强健三维可视化技术在动力总成智造中的应用 - 黄振华 博士, 科惠力公司
	11:10-11:35	邀请报告: MES 在当代汽车制造业中的应用 - 郑照, 上海以朴信息科技有限公司
	12:00-13:30	午餐 & 技术参观
	会议主席: 金振麟 先生, 一汽集团计量检测服务中心主任 夏维 女士, 神龙汽车有限公司	
	13:30-13:55	邀请报告: 面向智能制造的企业质量管控平台 MMS - 赵鸣丰, q_DAS 库道斯软件科技(上海)有限公司
	13:55-14:15	2016CG-VD0066: 过程能力验证中的异常特性点分析 - 王标, 安徽华菱汽车有限公司
	14:15-14:35	2016CG-VD0043: 关于汽车变速器的综合性能测试 - 夏维 女士、叶晓斌 先生, 神龙汽车有限公司
	14:35-14:55	2016CG-VD0086: 融合智能制造内涵的在线检测技术初探 - 陈建民 先生, 埃恩精工无锡有限公司
	14:55-15:15	2016CG-VD0053: 对没有专用轴控单元的拧紧机拧紧精度低下的分析 - 冯德富, 一汽轿车公司发动机传动器制造中心
	15:15-15:35	2016CG-VD0073: 主动圆柱齿轮轴感应淬火技术研究 - 陈博 先生, 中国第一汽车股份有限公司技术中心
	15:30-15:50	茶歇 & 技术参观
	15:50-16:10	2016CG-VD0045: 曲轴新增生产线检测方案的优化 - 吴焯, 神龙汽车有限公司
	16:10-16:30	2016CG-VD0009: 基准“矩阵扩展法”在车身改制和现场测量中的应用 - 杨付四 先生, 广州汽车集团股份有限公司汽车工程研究院
	16:30-16:50	2016CG-VD0036: 麦弗逊式独立悬架公差控制策略研究 - 宋华 先生, 重庆长安汽车股份有限公司汽车研究总院
	16:50-17:10	2016CG-VD0049: 关于缸盖气门阀座和导管孔加工的工艺改进 - 曲雅丽, 华晨汽车集团控股有限公司
	17:10-17:30	2016CG-VD0061: 柔性路径轴分配的新方法 - 杨琦, 天津一汽夏利汽车股份有限公司内燃机制造分公司

## T12: Machining, Testing and Measurement

Oct. 27 / 5F, Museum

	Chairperson: Mr. Jiang Zhicheng, Dongfeng Motor Corporation Prof. Li Ming, Shanghai University	
	9:00-9:10	Addressor - Ms. Zou Hengqi, Vice Chief Engineer, Dongfeng Motor Corporation
	9:10-9:35	Invited Report: Microscopy Cleanliness Principle and Application - Wang Shouzhuang, Shanghai OPTON Instrument Co., LTD - Sun Jiefeng, G-Kem
	9:35-09:55	2016CG-VD0084: Geometric Precision Measurement and Key Technology in Industry 4.0 -Prof. Li Ming, Shanghai University
	09:55-10:20	2016CG-VD0087: Practice and Verify for Small Cast Iron Crankshaft Using Induction Quench Strengthened Process -Mr. Li Wei, Shanghai Volkswagen Powertrain Co., Ltd.
	10:20-10:45	Invited Report: TBD
	10:25-10:45	2016CG-VD0060: Experimental Study on the Application of Hydrogen Detector in Engine Leak Detection -Wang Qi, FAW Jiefang Automotive Co. Ltd. Wuxi Diesel Engine Works
	10:45-11:10	Invited Report: Robust 3D Visualization for Powertrain Intelligent Manufacturing - Dr. Huang Zhenhua, Coherix
	11:10-11:35	Invited Report: TBD
	12:00-13:30	Lunch & Visit Exhibition
	Chairperson: Mr. Jin Zhenlin, FAW Ms. Xia Wei, Dongfeng Peugeot Citroen Automobile Co., Ltd.	
Oct. 27	13:30-13:55	Invited Report: TBD
	13:55-14:15	2016CG-VD0066: Analysis of Abnormal Characteristic in Process Capacity Study -Wang Biao, AnHui HuaLing Automobile Co.,Ltd.
	14:15-14:35	2016CG-VD0043: Comprehensive Performance Test of Automobile Gearbox -Ms. Xia Wei. Mr. Ye Xiaobin, Dongfeng Peugeot Citroen Automobile Co., Ltd.
	14:35-14:55	2016CG-VD0086: Preliminary Research for On-line Detection Integrated With Intelligent Manufacturing -Mr. Chen Jianmin, Iron Precision Industry Wuxi Co., Ltd
	14:55-15:15	2016CG-VD0053: Analysis of the Low-Precisiontightening Machine Without the Specific ACU(Axis Control Unit) -Feng Defu, Faw Car co.Ltd Engine &Transmission manufacturing Center
	15:15-15:35	2016CG-VD0073: Investigation on Induction Quenching Treatment of Drive Cylindrical Gear Shaft -Mr. Chen Bo, China FAW Group Corporation R&D Center
	15:30-15:50	Coffee Break & Visit Exhibition
	15:50-16:10	2016CG-VD0045: The Optimization of Detection Project in the New Added Crankshaft Production Line -Wu Ye, Dongfeng Peugeot Citroen Automobile Co., Ltd.
	16:10-16:30	2016CG-VD0009: Application Of ""Matrix Expansion Method""in the Vehicle Body Reform and Field Measurement -Mr. Yang Fusi, Guangzhou Automobile Group Co.,LTD Automotive Engineering Institute
	16:30-16:50	2016CG-VD0036: Control Tolerance Tactics of McPherson Suspension -Mr. Song Hua, Chongqing Changan Auto R & D Center, Changan Automobile Co., Ltd.
	16:50-17:10	2016CG-VD0049: Process on the Cylinder Head Valve Seat and an Improved Catheter Hole Machining -Qu Yali, HuaChen Group Auto Holding Co.,Ltd.
	17:10-17:30	2016CG-VD0061: New Method of Executing Flexible Path Axis Assignment -Yang Qi, Tianjin FAW XiaLi Automobile Co. Ltd ICE Manufacturing Branch Company

## P01: 第四届中国轻量化车身会议 The 4<sup>th</sup> China Lightweight Car Body Conference

**时间及地点 / Date & Venue:** 2016年10月27日, 09:00-18:00, 南展厅 A9 会议室  
09:00-18:00, Oct.27, A9, South Exhibition Hall

**主办单位 / Organizer:** 中国汽车工程学会, 汽车轻量化技术创新战略联盟  
SAE-China  
China Auto Lightweight Technology Innovation Strategic Alliance

**协办单位 / Co-organizer:** 中信金属有限公司  
CITIC Metal Co., Ltd.

### 简介 / Introduction :

轻量化作为实现汽车降低油耗的一种有效途径, 已经受到国内外整车企业的广泛关注。车身轻量化是整车轻量化最重要的组成部分, 为了解和分享我国整车企业近年来在自主品牌乘用车轻量化方面所取得的成就, 本专题分会将集中讨论中国乘用车车身的轻量化。

As an effective way to reduce fuel consumption, Lightweight, especially the Lightweight of car body, has been focused by many domestic and foreign automobile companies. In order to share the lightweight achievements of Chinese passenger cars in recent years, the topic of this special session will focus on the lightweight of Chinese car body.

### 议题 / Topics:

- 我国整车企业的轻量化处于什么样的水平?
- 我国自主品牌乘用车的轻量化与国外相比如何?
- 车身轻量化都可以采取哪些手段? 在轻量化的过程中都会遇到哪些问题?
- 如何评价车身的轻量化水平? 如何评价整车的轻量化水平? 如何建立整车轻量化水平的评价方法? 有什么困难?
- What have been done on the lightweight of car by Chinese automobile companies?
- Compared with the abroad passenger cars, what's the level of our own brands' lightweight?
- How many ways can we take to realize the lightweight of car body? And what problems will we meet?
- How to evaluate the level of body lightweight? How to evaluate the level of car lightweight? How to establish the evaluation method?

## P02: 第十一届中国道路交通事故研究研讨会——基于中国交通环境的 ADAS 典型场景研究 The 11<sup>th</sup> Symposium on Road Traffic Accident Research in China: The Typical Risk Scenarios for ADAS in Chinese Road Traffic Environment

**时间及地点 / Date & Venue:** 2016 年 10 月 28 日 09:00–11:30, 北展厅 A7 会议室  
09:00–11:30, Oct. 28, A7, North Exhibition Hall

**承办单位 / Co-organizer:** 同济大学  
Tongji University

### 简介 / Introduction :

基于道路交通事故、交通危险工况及其他方式提炼的,代表和描述中国交通环境和要素的各类典型场景,对于 ADAS 在中国的开发、标定和验证等方面都具有重要意义和必要性。故本专题分会将集中讨论基于中国交通环境的 ADAS 典型场景,包括相关研究方法、研究结果和应用。

The typical road traffic risk scenarios extracted from traffic accidents, near-crash cases and other sources, representing and describing Chinese real traffic environment and key elements, are important and necessary for the development, calibration and verification of ADAS in China. This session will focus on the typical road traffic risk scenarios in Chinese traffic environment, including research methodologies, results and applications.

### 议题 / Topics:

- 涉及行人的典型危险场景研究
- 涉及两轮车的典型危险场景研究
- 涉及变道的典型危险场景研究
- 涉及前车减速 / 停车的典型危险场景研究
- Conflicts with Pedestrian
- Conflicts with Two-wheeler
- Conflicts during Lane Change
- Conflicts with decelerating/stopped front vehicle

### 日程 / Agenda:

主席 / Chairperson:  
**王宏雁 教授 / Prof. Wang Hongyan**  
同济大学汽车学院  
School of Automotive Studies, Tongji University

### 拟邀请演讲嘉宾 / Speakers to be invited:

同济大学汽车学院  
School of Automotive Studies, Tongji University

中国汽车技术研究中心  
CATARC

浙江吉利汽车研究院有限公司  
Zhejiang Geely Automobile Research Institute Co., Ltd.

博世基于 CIDAS 做的 AEB 有效性分析  
Bosch

奥托立夫(上海)汽车安全系统研发有限公司  
Autoliv (Shanghai) Vehicle Safety System Co., Ltd.

沃尔沃集团  
Volvo Group

### 形式 / Format:

技术演讲(约 20 分钟 / 人) Technical Presentations (about 20 minutes each)  
互动讨论(约 60 分钟) Panel Discussion (about 60 minutes)

## P03: 2016 第三全球华人汽车精英联合会暨“中国拥抱世界”汽车产业创新论坛

**时间及地点:** 2016年10月24-25日, 中国上海市颖奕高尔夫皇冠假日酒店

**主办单位:** 中国汽车人才研究会等

**日程:**

10月24日下午	13:30-15:30	参观 (项目待定)
	16:00-17:30	中外汽车行业组织领导闭门会议
	主持人: 朱明荣 (中国汽车人才研究会执行副理事长兼秘书长、全球汽车精英组织秘书长)	
	16:00-17:30	介绍论坛筹备情况
		审议全球汽车精英组织成员增补调整名单
	行业热点、难点问题互动交流	
	18:00-20:00	招待晚宴
10月25日上午	09:00-12:00	“中国拥抱世界”汽车产业创新论坛
	主持人: 李庆文 (中国汽车人才研究会副理事长)	
	领导致辞	
	09:00-09:10	中国汽车人才研究会理事长付于武致辞
	09:10-09:20	上海市嘉定区领导致辞
	09:20-09:30	赞助单位领导致辞
	特别报告	
	09:30-09:50	龙永图: 汽车强国的历史担当
	09:50-10:10	汪大总: 海外并购助推中国车企的正规化与国际化
	10:10-10:30	赵福全: 关于中国车企正规化与国际化之路的战略思考
	10:30-10:55	合影、休息
	圆桌互动	
	10:55-12:00	主持人: 李庆文 龙永图、汪大总、赵福全、张宏、沈峰...
10月25日下午	13:30-17:00	“中国拥抱世界”汽车产业创新论坛
	主持人: 刘小稚 (全球汽车精英组织常务副主席)	
	主题报告	
	13:30-13:50	北美华人汽车工程师协会: 中国车企及零部件落户北美的资源整合和切入点
	13:50-14:10	全德华人机电工程学会: 中国车企走向国际的品牌与技术要求
	14:10-14:30	在日华人汽车工程师协会: 日本车企走上正规化国际化之路带给我们的启示
	14:30-14:50	中组部国家“千人计划”工材委: 海外人才助推中国车企的技术升级
	14:50-15:10	合影、休息
	圆桌互动	
15:10-17:00	主持人: 刘小稚 各主办单位代表 (五至七位嘉宾)	

# 并行会议 Parallel Meetings

## P03: 2016 The Third Global Chinese Auto Elite Joint Annual Meeting & "China Embracing the World" Auto Industry Innovation Forum

**Date & Venue:** October 24 to 25, 2016, Crowne Plaza

**Organizer:** China Auto Talents Society

### Agenda:

Oct 24 <sup>th</sup> P.M.	13:30-15:30	Visit ( place undetermined )
	16:00-17:30	Chinese and foreign auto industry organization leaders closed-door meeting
	Host: Zhu Mingrong ( China Auto Talents Society Executive vice chairman and secretary-general, Global Automotive Executive Council secretary-general)	
	16:00-17:30	Introduce forum preparation
		Review members supplemented adjustment list
		Hot and difficult industry issues interaction
18:00-20:00	Dinner	
Oct 25 <sup>th</sup> A.M.	09:00-12:00	"China Embracing the World " Auto Industry Innovation Forum
	Host: Li Qingwen ( China Auto Talents Society Vice director )	
	Leader's speech	
	09:00-09:10	Speech by China Auto Talents Society director Fu Yuwu
	09:10-09:20	Speech by leaders of Shanghai Jiading District people's government
	09:20-09:30	Speech by a sponsor leader
	Special report	
	09:30-09:50	Long Yongtu: The history responsibility of automobile power
	09:50-10:10	Wang Dazong: Overseas merger and acquisition boosters normalization and internationalization of Chinese auto companies
	10:10-10:30	Zhao Fuquan: the strategic thinking of ways of the standardization and internationalization of China auto enterprises
	10:30-10:55	Photo, Rest
	Roundtable	
	10:55-12:00	Host: Li Qingwen Long Yongtu, Wang Dazong, Zhao Fuquan, Zhang Hong, Shen Feng.....
	Oct 25 <sup>th</sup> P.M.	13:30-17:00
Host: Liu Xiaozhi ( Global Automotive Executive Council Vice chairman)		
Seminar		
13:30-13:50		North American Association of Chinese Engine Engineer: The integration of resources and cut points of Chinese car and parts companies settling in North America
13:50-14:10		Chinese Society of Mechanical and Electrical Engineering in Germany: Brand and technical requirements of China auto companies going international
14:10-14:30		Japan Chinese Society of Automotive Engineers: the enlightenment of Japanese car companies onto the road of regularization and internationalization
14:30-14:50		Professional committee of engineering and material of 1,000 Talents Plan: Overseas talent booster the technology upgrading of Chinese car companies
14:50-15:10		Photo, Rest
Roundtable		
15:10-17:00		Host: Liu Xiaozhi The representatives of organizers

## 中国创新创业大赛之国际新能源及智能汽车大赛苏州区域赛

你是否梦想做一名汽车人？你是否有好的创意？你是否想将它变成现实？

请关注“中国创新创业大赛之国际新能源及智能汽车大赛苏州区域赛”

科技部火炬中心背书 清华大学苏州汽车研究院力推

它能助推您实现梦想……

### 部分地方政府配套政策

- 1、科技部、财政部对创业大赛的获奖项目给予中央财政资助；
- 2、**苏州-清华专项行动专项**：单个项目最高支持**500万**；
- 3、符合条件的获奖团队可直接进入“**吴江科技领军人才**”答辩评审程序，包括**200万**科研经费资助，**500万**风险投资，**50万**购房补贴；

江苏省、**苏州市科技创新战略与科技创新能力排名全国前列**

### 清华大学苏州汽车研究院平台资源

- 1、成熟的成果转化体系，优质项目可以获得百万级的二次开发经费；
- 2、30亿元的投资基金，聚焦汽车早期和中期项目，重点关注大赛项目；
- 3、汽车电子等6大检测中心，近2亿的测试设备，供孵化企业低成本使用
- 4、100亩的项目孵化和产业培育基地，企业低成本入住
- 5、为创业团队提供技术导师、市场导师、运营导师等多维度导师团队
- 6、遍布全球的汽车行业校友网络资源和广阔的市场对接渠道

## 『火热报名中』

截止日期：2016年10月8日

### 报名方式：

#### 网站报名：

卡睿达（北京）科技孵化器有限公司官网 [www.carieda.com](http://www.carieda.com)  
中国创新创业大赛官网：[www.cxcyds.com](http://www.cxcyds.com)

#### 邮件报名：

[lttc@tsari.tsinghua.edu.cn](mailto:lttc@tsari.tsinghua.edu.cn)

联系方式：张程 15150169932 [zhangcheng@tsari.tsinghua.edu.cn](mailto:zhangcheng@tsari.tsinghua.edu.cn)

### 苏州赛区时间：

预选赛：10月30日-10月31日 总决赛：11月1日

苏州赛区地点：苏州同里古镇

### 并行活动：

中国汽车工程学会和清华大学苏州汽车研究院已连续两届成功举办“中国汽车技术转移大会”，成为汽车产业创新创业和技术交流交易领域最重要的会议之一。2016年中国汽车技术转移大会将有国家部委领导、权威专家学者、企业集团高层、知名投资总监等500余名国内外汽车行业同仁齐聚**苏州同里古镇**，通过高端论坛、整车面对面、国际交流等特色活动，共同推进中国汽车产业的创新创业，加速汽车科技成果的转移转化。会议详情请登录“[lttc.tsari.tsinghua.edu.cn](http://lttc.tsari.tsinghua.edu.cn)”。

# 青年工程师和学生活动 Young Professional Activities

## YP: 青年工程师和学生活动 Young Professional Activities

**时间及地点 / Date & Venue:** 2016 年 10 月 27-28 日南展厅全体大会区  
Oct. 27-28, Conference Zone, South Exhibition Hall

### 简介 / Introduction :

青年工程师和学生对未来汽车技术充满奇思妙想。SAECCE 平台将每年面向 35 岁及以下的工程师、学生和老师专门组织活动，为青年工程师搭建关于汽车未来技术的交流平台，并鼓励青年工程师勇于创新性地提出对汽车未来技术的新概念、新结构和新总成，积极促进青年人才的成长。

Young Professionals are full of fancies on future automotive technologies. To encourage those creative ideas, SAECCE offers a special platform for students and young engineers under the age of 35, for the exchanges of new concepts, new structures and new powertrains for the automotive technologies in the future. It aims to promote the growth of young talents.

### 主题 / Theme:

智能汽车、智能出行  
Intelligent vehicle, smart mobility

### 组织委员会 / Organizing Committee:

中国汽车工程学会 SAE-China	湖南大学 Hunan University
中国汽车工程学会技术教育分会 Technical Education Committee of SAE-China	华南理工大学 South China University of Technology
中国汽车人才研究会 CATS	江苏大学 Jiangsu University
吉林大学 Jilin University	重庆大学 Chongqing University
清华大学 Tsinghua University	北京航空航天大学 Beihang University
同济大学 Tongji University	武汉理工大学 Wuhan University of Technology
北京理工大学 Beijing Institute of Technology	上海交通大学 Shanghai Jiaotong University
合肥工业大学 Heifei University of Technology	

### YP 活动内容 Activities:

- |                        |   |
|------------------------|---|
| 1. YP 专利技术交流论坛 & 创新岛展示 | 1. YP Technical Session & Innovation Island                   |
| 2. 汽车导师面对面—如何成长为未来领袖   | 2. Face to Face with Leaders—how to become an industry leader |
| 3. 企业 HR 说—职业规划        | 3. HR Lecture—how to plan your career                         |

## YP1: 专利技术交流论坛 Technical Session

**时间及地点 / Date & Venue:** 2016年10月27日 13:30-17:30, 南展厅全体大会区  
13:30-17:30, Oct. 27, Conference Zone, South Exhibition Hall

**协办单位 / Co-organizer:** 中国汽车工程学会技术教育分会  
Technical Education Committee of SAE-China

### 日程 / Agenda:



**主席 / Chairperson:**  
**高振海 教授 / Prof. Gao Zhenhai**  
吉林大学教授, 中国汽车工程学会技术教育分会秘书长  
Professor of Jilin University, Secretary General of Technical Education Committee of SAE-China

### 拟邀请演讲嘉宾 / Speakers to be invited:



13:05-13:25  
**驾驶机器人关键技术研发及应用**  
Technology research and Application of Robot Driver  
**秦洪茂 博士 / Dr. Qin Hongmao**  
北京航空航天大学  
Beihang University



13:30-13:50  
**基于深度学习的行人及骑车人联合检测方法**  
A Unified Framework for Concurrent Pedestrian and Cyclist Detection Based on Deep  
**李晓飞 / Li Xiaofei**  
清华大学汽车工程系  
Tsinghua University



13:55-14:15  
**一种基于智能手机的驾驶员驾驶性格分析系统和方法**  
Driver Driving Character Analysis System And Method Based on Smart Phones  
**李棒 / Li Bang**  
合肥工业大学汽车与交通工程学院  
Hefei University of Technology



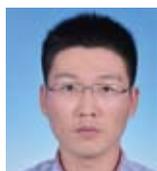
14:20-14:40  
**基于机器视觉与毫米波雷达融合的前方车辆检测方法**  
The Vehicle Detection Algorithm Based on the Data Fusion of Radar and Camera  
**任玥 / Ren Yue**  
重庆大学  
Chongqing University



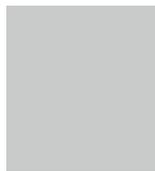
14:45-15:05  
**基于驾驶员行为分析与环境感知系统的 UBI 开发**  
UBI Development Based on Driver Behavior Analysis and Environmental Perception System  
**李扬 / Li Yang**  
吉林大学汽车工程学院  
Jilin University



15:10-15:30  
**考虑驾驶风格的动态弯道速度模型**  
Dynamic Curve Speed Model Considering Driving Style  
**邓泽健 / Deng Zejian**  
武汉理工大学  
Wuhan University of Technology



16:00-16:20  
**线控转向, 筑梦智能汽车未来**  
Steer-By-Wire, for the Future of Intelligent Vehicles  
**章鸣铭 / Zhang Mingming**  
上海交通大学  
Shanghai Jiaotong University



16:25-16:45  
**无人驾驶大学生方程式赛车**  
Autonomous Formula Student Race Car  
**倪俊 / Ni Jun**  
北京理工大学  
Beijing University of Technology



16:50-17:10  
同济大学  
Tongji University



17:15-17:35  
江苏大学  
Jiangsu University

13:00-13:05 主席致辞 Welcome Address

15:35-16:00 茶歇 Coffee Break

\* 每个演讲后面有五分钟的提问 5min Q&A after each presentation.

## YP2: 汽车导师面对面—如何才能成长为未来领袖 Face to Face with Leaders—how to become an industry leader

**时间及地点 / Date & Venue:** 2016 年 10 月 28 日 09:00–10:00, 上海汽车会展中心南展厅智能网联展示区  
09:00–10:00, Oct. 28, ICV Pavilion South Exhibition Hall

### 日程 / Agenda:



汽车导师 Automotive Leader  
**黄晨东 博士 / Dr. Charles C. Huang**  
蔚来汽车电动车系统副总裁  
NEXTEV Vice President, Electric Vehicle

### 导师履历

- 担任蔚来汽车副总裁，负责电动总成系统的开发与团队建设
- 服务过洛克希德 - 马丁子公司、福特汽车和上汽集团
- 参与美国宇航局的冰与火太空项目，并成功开发完成了冥王星探索项目飞行器的先进电力系统设计
- 美国密歇根大学 机械工程博士学位
- 拥有 6 项出版或批准中的美国专利，在期刊文献和国际会议上发表了 21 篇论文和技术文献
- Vice President of Electric Powertrain Engineering, responsible for the development of E-powertrain system and establishing competence in E-powertrain engineering
- Has worked in AMPS, Inc., Ford Motor and SAIC Motor
- Involved in a NASA Fire & Ice program and successfully designed the advanced Radioisotope Electric Power System for Pluto Express program.
- PHD in Mechanical Engineering from University of Michigan. USA
- Owns 6 published or pending US Patents and published 21 papers and technical reports on academic journals or at international conferences.

### 形式 / Format:

技术演讲 (约 45 分钟 / 人) Technical Presentations (about 45 minutes each)  
互动讨论 (约 15 分钟) Panel Discussion (about 15 minutes)

## YP3: 企业 HR 说—职业规划 HR Lecture—how to plan your career

**时间及地点 / Date & Venue:** 2016 年 10 月 28 日 10:00–10:45, 上海汽车会展中心南展厅智能网联展示区  
10:00–10:45, Oct. 28, ICV Pavilion South Exhibition Hall

HR 嘉宾待定 HR to be invited

### 形式 / Format:

技术演讲 (约 20 分钟 / 人) Technical Presentations (about 20 minutes each)  
互动讨论 (约 25 分钟) Panel Discussion (about 25 minutes)

## 中国汽车技术首脑闭门峰会 Closed-door Chinese Technical Leaders Summit

**时间及地点 / Date & Venue:** 2016年10月25日 16:30-18:30 上海, 安亭 昆山维景国际大酒店 (初步)  
16:30-18:30 Oct. 25, Grand Metropark Hotel Kunshan

**主题 / Theme:** 汽车产业的跨界、融合、创新发展  
The crossover, integration and innovative development of automotive industry

### 简介 / Introduction:

当前新一轮科技革命引发全球制造业格局重塑的趋势日益明显, 基础性、关联性、带动性无可比拟的汽车产业再次成为跨界融合创新与新技术集成应用的平台与载体, 新兴力量正在加快进入汽车领域, 传统力量也在积极应对挑战、谋求新的发展。同时, 汽车技术向低碳化、信息化、智能化方向不断演进, 汽车互联互通与自动驾驶等持续引发行业关注。如何在汽车智能升级与动力系统转变的历史机遇期, 抢占未来的战略制高点, 成为业界同仁普遍关注的共性议题和核心焦点。

为此本次峰会集合汽车产业技术领军人物, 聚焦中国汽车产业的新形势、新变局与新发展, 围绕汽车产业跨界融合与创新发展的主题, 共同探讨新时期汽车技术趋势与机遇、企业技术战略路线选择、技术合作与融合创新等重要问题, 展开一场开放式的思想碰撞。

At present, a trend of global manufacturing industry pattern remodeling led by new technology revolution has been prevailed remarkably, the unparalleled automotive industry once again become the cross-border integration platform and the carrier of innovation and new technology, new emerging power is accelerating into the field and traditional enterprises are also actively responding to the challenges and seeking new development. At the meantime, automobile technology continuously evolves in the direction of low-carbonization, informatization and intellectualization, interoperability, vehicle connectivity and automatic drive are leading to industry concerns constantly. It all comes down to the core focuses and general concerns of how to seize the future strategic high ground in the period of historical opportunity with automotive intellectualization and power system transformation.

Therefore the summit calls for automobile technology leading pioneers, focusing on China automobile industry in the new situation, new changes and new development, to discuss auto-technology trends and opportunities in new era, cross-border integration and innovation, strategy route recommendation.

### 议题 / Topics:

- 在工业化与信息化深度融合的大背景下, 中国汽车传统和新兴力量如何把握机遇, 相互借鉴, 加快提升汽车产业的总体实力?
- 面对跨界融合的新环境与新格局, 中国汽车企业应该如何有针对性地把握或调整产品战略规划、技术路线选择以及企业在全新产业生态中的定位?
- 全面提升核心技术水平与融合创新能力的汽车产业战略调整、体系建设、流程再造与人才培养。
- In the context of industrialization and deep information integration, how to grasp the opportunities and mutual reference between China's tradition automobile enterprises and emerging forces, to speed up the overall strength of the automobile industry?
- Facing the new environment and new pattern of cross-border integration, how should be the Chinese automobile enterprises targeted to grasp or adjust product strategic planning, technical route choice and what about the new industrial ecology orientation?
- Comprehensively enhance the core technology level and innovation capability of the automobile industry strategic adjustment, system construction, process reengineering and personnel training.

### 拟定邀请 / Panelists are to be invited from:

中国第一汽车集团公司 China FAW Group Corporation	长城汽车股份有限公司 Great Wall Motor Co., Ltd.	泛亚汽车技术中心有限公司 Pan Asia Technical Automotive Center (PATAC)
东风汽车公司 Dongfeng Motors Co., Ltd.	江淮汽车股份有限公司 JAC Motor Co., Ltd.	博世 (中国) 投资有限公司 Bosch (China) Investment Ltd.
上海汽车集团股份有限公司 SAIC Motor Corporation Limited	华晨汽车集团 Huachen Auto Group	采埃孚 (中国) 投资有限公司 ZF (China) Investment Co., Ltd.
重庆长安汽车股份有限公司 Chongqing Changan Automobile Company Ltd.	上汽通用五菱股份有限公司 SGMW	AVL 中国 AVL China
北京汽车集团有限公司 BAIC Motor Corporation Ltd.	清华大学 Tsinghua University	舍弗勒投资 (中国) 有限公司 SCHAEFFLER Trading (Shanghai) Co., Ltd.
广州汽车集团股份有限公司 Guangzhou Automobile Group Co., Ltd.	同济大学 Tongji University	华为技术有限公司 Huawei Technologies Co., Ltd.
吉利汽车有限公司 Geely Automobile Co., Ltd.	吉林大学 Jilin University	乐视汽车 LeSEE
奇瑞汽车股份有限公司 Chery Automobile Co., Ltd.	北京航空航天大学 Beihang University	百度 Baidu
比亚迪股份有限公司 BYD Co., Ltd.	汉能集团 Hanergy Holding Group	阿里巴巴网络技术有限公司 Alibaba Group
中国重汽集团有限公司 China National Heavy-duty Truck Group Co., Ltd.	沃尔沃汽车集团中国区 Volvo Cars China	蔚来汽车 NEXTEV

## 中国汽车技术战略国际咨询委员会 (iTAC) 第二届闭门会议 The 2<sup>nd</sup> Closed-door Work Conference of International Technology Advisory Committee for China Automotive Industry (iTAC)

**时间及地点 / Date & Venue:** 2016 年 10 月 26 日 14:00–17:30 上海颖奕皇冠假日酒店  
14:00–17:30 Oct. 26, Crowne Plaza Shanghai Anting

### 简介 / Introduction:

中国汽车产业自 2009 年以来连续七年蝉联世界产销量第一，正处于由大到强的关键发展阶段。第三次工业革命为产业转型及升级提供了珍贵的契机，中国汽车产业如何抓住机会，以技术创新推动产业创新，突破当前制约行业发展的种种限制瓶颈，实现与其他相关产业的深度融合，探索可持续发展道路，成为全行业共同关注的焦点，也是全球汽车行业普遍关注的重要议题。

中国汽车工程学会于 2015 年，牵头成立一支由国际知名整车和零部件企业 CTO、关键技术领域国际知名专家以及主要行业组织领导者等人组成的“顶级汽车智库团队”，充分运用顶层专家资源，搭建国内外汽车技术领军人物交流与对话平台，共同探讨能源、环境、交通、安全等共性问题，为关键技术发展战略和行业发展方向提供高质量的政策参考，为汽车技术和产业协调发展贡献力量。

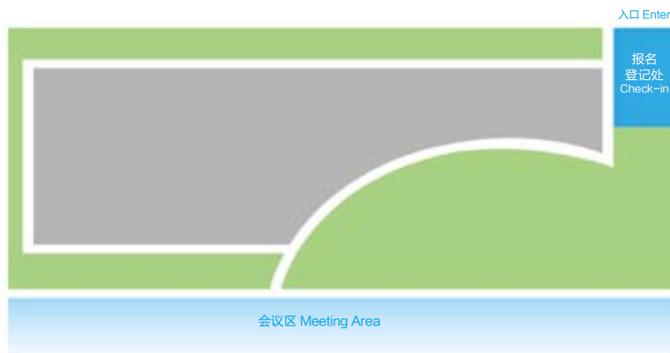
一年一度的 iTAC 闭门会议与中国汽车工程学会年会同地举行。每届会议将于 2016 年 10 月 26 日在上海举行。

## 试乘试驾 Test Drive

**时间 / Time:** 10月26-28日 09:00-12:00、13:30-17:00  
09:00-12:00、13:30-17:00, Oct. 26-28

**地点 / Venue:**

### 1. 北展厅外北侧停车场 / North Parking Lot outside NEH



### 2. 上海汽车博览公园 / Shanghai Auto Expo Park



\* 以上场地将提供封闭和开放道路的试乘试驾 (AEB, 自动泊车, 新能源汽车、动力总成等技术领域)

The above site will provide the closed and open road test driving (AEB, automatic parking, new energy vehicles, powertrain etc.)

### 3. A NICE City F1 封闭区域 / A Nice City-- F1 Close Test

第一期封闭区域位于上海嘉定区伊宁路的F1赛车场内, 用于测试道路长3.6公里。

The first phase of the closed test area is located in F1 Racing Park, Yining Road, Jiading District. The length of road for testing is 3.6 km.

基本设施支持包括 Infrastructure includes:

- T 字路口、十字路口、高速等多种交通道路类型。
- DSRC, LTE-V, WIFI 多种网络
- 北斗、GPS, 视频监控全覆盖
- 模拟隧道、模拟林荫道、模拟加油站、室内停车场等。
- T-intersection, intersection, highway and other types of road.
- Communication network: DSRC, LTE-V, Wifi
- BeiDou Navigation Satellite System, GPS, full coverage of video surveillance
- Simulations of tunnel, avenue with trees, gas station, indoor parking lot etc.



## 路线一：上海机动车检测认证技术研究中心 Line 1: Shanghai Motor Vehicle Inspection Center

### 时间及地点 / Date & Venue:

2016年10月28日 14:30-18:30 上海市嘉定区安亭镇于田南路68号  
14:30-18:30, Oct. 28, No.68 Yutian South Rd. Anting, Jiading, Shanghai

参观人数 / Maximum Reception: 100

发车时间 / Departure Time: 14:30



上海机动车检测认证技术研究中心落于上海安亭国际汽车城，总投资超过12亿元人民币，占地面积18万平方米，下属国家机动车产品质量监督检验中心（上海）、国家新能源机动车产品质量监督检验中心、国家机动车专用检测设备计量站。拥有汽车整车实验室、汽车被动安全实验室、机动车排放与节能实验室、机动车安全部件及环境实验室、机动车电磁兼容（EMC）实验室、摩托车综合实验室、机动车灯具实验室、新能源机动车专项检测实验室、计量检定校准实验室等一批国际一流、国内先进的实验室，是我国政府行业主管部门授权并获得广泛国际认可的权威技术机构。

上海机动车检测认证技术研究中心的检测技术服务能力覆盖汽车、摩托车、新能源汽车、各类零部件产品，开展车辆安全、环保、节能和防盗等各项强制性项目的检测，各类研发性的检测试验及技术研究，开展包括车辆碰撞安全性、NVH、发动机系统匹配、车辆道路综合性能及可靠性、电磁兼容性（EMC）、各类零部件及材料的环境及耐候性等研发检测试验。

Shanghai Motor Vehicle Inspection Center (hereinafter is called SMVIC), covering an area of 180,000 square meter, is located in Shanghai Anting International Vehicle City with more than 1.2 billion investment. National Center of Supervision and Inspection on Motor Vehicle Products Quality (Shanghai), National Center of Supervision and Inspection on New Energy Motor Vehicle Products Quality and National Station of Inspection on Motor Vehicle Dedicated Test Devices. It boasts internationally advanced laboratories of complete vehicle, passive safety, emission and energy efficiency, components and inner ambiance, EMC, motorcycle, automotive lamp, new energy vehicle and calibration and measurement. These laboratories are the institutes authorized by the line ministry of Chinese government and gain global approval.

The technical capability of inspection and service of SMVIC covers complete vehicle, motorcycle, new energy vehicle and automobile components. It has all the commendatory tests on safety, environment protection, energy efficiency, theft resistance and so on. Development and research tests, including vehicle passive safety, NVH, engine system matching, comprehensive performance and reliability of on-road vehicle, EMC, various kinds of components and ambient durability of materials, etc., are also held in it.

## 路线二：蔚来汽车 Line 2: NextEV

### 时间及地点 / Date & Venue:

2016年10月28日 14:30-16:30 上海市嘉定区安亭镇安拓路56弄20幢  
14:30-16:30, Oct. 28, Antuo Rd. Anting, Jiading, Shanghai

参观人数 / Maximum Reception: 50

发车时间 / Departure Time: 14:30



蔚来汽车不仅仅是一家汽车企业。通过提供高性能的智能电动汽车与极致用户体验，蔚来汽车致力于为用户创造愉悦的生活方式，成为全球范围内第一家“用户企业”。

蔚来汽车由顶尖的企业与企业家共同发起设立，包括腾讯、易车创始人李斌、汽车之家创始人李想、京东创始人刘强东以及知名投资机构高瓴资本、红杉资本和愉悦资本。蔚来汽车在圣何塞、慕尼黑、伦敦以及上海、北京、香港、南京设有设计、研发与商务机构。

蔚来汽车将于2016年底发布一款拥有超过1000kw（1360hp）动力的电动超跑，该超跑零到百公里加速时间在3秒以内，动力性能不输于目前最顶级的燃油跑车。蔚来汽车的首款公路版车型也已在产品规划当中，它将在性能媲美顶级电动汽车的同时，在优质服务、用户体验与性价比上体现出显著优势。

NextEV is much more than a car company. Our goal is to become the world's first "User Enterprise" by utilizing a user centered approach to design and build top-notch smart electric vehicles that provide our users with joyful experiences and lasting impressions.

NextEV was founded with funding from world-class enterprises and entrepreneurs including Tencent (HK:00700); Bitauto.com (NYSE:BITA) founder William Li; autohome.com.cn (NYSE:ATHM) founder Xiang Li; JD.com (NASDAQ:JD) founder Richard Liu, and investment firms including Hillhouse Capital; Sequoia Capital and JOY Capital. NextEV has design, research and development centers in San José, Munich, London, Shanghai, Beijing, Hong Kong and Nanjing.

NextEV will be launching an electric supercar with an expected output of more than 1,000kw (1360hp) at the end 2016. The supercar's acceleration (0 to 100km/h) will be less than 3 seconds, and will compete with the most powerful combustion supercars in the world. NextEV's first passenger car is also slated for production, and will be comparable to top EVs in terms of performance, while offering a distinctly better service, customer experience, and value.

## 路线三：清华大学苏州汽车研究院

### Line 3: Tsinghua University Suzhou Automotive Research Institute

#### 时间及地点 / Date & Venue:

2016年10月28日 14:30-18:30 江苏省苏州市吴江区联杨路139号  
14:30-18:30, Oct. 28, No. 139, Lianyang Road, Wujiang District, Suzhou

参观人数 / Maximum Reception: 50

发车时间 / Departure Time: 14:30



清华大学苏州汽车研究院是清华大学和苏州市政府共同建设的综合性汽车产业研究院。研究院依托清华大学的技术和人才优势、苏州地区的经济和区位优势，面向汽车产业重大需求，定位于汽车应用技术研发、高端技术服务和科技成果转化，致力于建设国内领先的汽车关键技术研发和服务基地、科技成果转化和企业孵化基地、高端人才聚集和培养基地。

Tsinghua University Suzhou Automotive Research Institute (TSARI) is a comprehensive auto industry research institute, which was co-founded by Tsinghua University and Suzhou municipal government. In order to meet the significant demands from the auto industry, TSARI aims at researching the auto application technology, supporting high-end technical services and industrializing the technology achievements through the advantages of technology / talents from Tsinghua University and economy / location of Suzhou. TSARI devotes to building up a base for the key leading automobile technology research and service, the achievement transformation and enterprise incubation, and the top talents aggregation and cultivation.

## 路线四：泛亚汽车技术中心有限公司

### Line 4: Pan Asia Technical Automotive Center Co., Ltd.

#### 时间及地点 / Date & Venue:

2016年10月28日 14:30-18:30 上海浦东新区龙东大道3999号  
14:30-18:30, Oct. 28, No. 3999 Longdong Avenue, Shanghai

参观人数 / Maximum Reception: 50

发车时间 / Departure Time: 14:30



泛亚汽车技术中心有限公司（以下简称泛亚）成立于1997年6月12日，注册资金6900万美金，是由通用汽车（中国）公司与上海汽车工业（集团）总公司（现上海汽车集团股份有限公司）共同组建的国内第一家中外合资汽车设计开发中心，也是国内第一家获颁“国家认定企业技术中心”的合资汽车企业。

泛亚立足本土，以“成为创领未来，国内领先、国际上有竞争力的汽车研发公司”为愿景，为整车企业提供世界级的设计造型、工程开发和试验认证等全过程的汽车开发服务。经过近20年的发展，泛亚目前已具备整车及动力总成全过程的开发能力。

泛亚拥有一支三千余人的员工队伍，拥有众多全球领先的开发设施和国内规模最大、功能最全的试车场。这次安排参观的是整车热力学风洞、车辆安全试验室、振动噪声试验室二期、愿景可视化中心。

The Pan Asia Technical Automotive Center Co., Ltd. (hereinafter referred to as PATAC), founded on June 12th, 1997, is China's first Sino-foreign automotive development joint venture between GM China Investment Corporation and Shanghai Automotive Industry (Group) Corporation (currently known as SAIC Motor). And it is also the first automotive joint venture ever entitled "National Enterprise Technology Center" in China.

With the vision to become a trend-setting, domestically leading and globally influential automotive research and development company, PATAC provides world-class automotive development services covering design, engineering development, testing and validation, etc. In its 18-year's development course, PATAC has formed full vehicle and powertrain development capability.

Currently PATAC has more than 3000 employees, and is well equipped with world-class testing facilities and the most state-of-the-art proving ground in China, including the Climate Wind Tunnel, Vehicle Safety Labs, Noise, Vibration & Harshness Labs, Envision Visualization Center etc. arranged for visit.

#### 联系方式 / Contacts:

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手机 / Mobile: +86-18810826806

邮箱 / E-Mail: zhangnan@sae-china.org



## 部分展商名单 Exhibitor List

编号	参展商中文名	参展商英文名	总部国籍
1	厦门立洲五金弹簧有限公司	Xiamen Lizhou Hardware Spring Co., LTD	China
2	联创汽车电子有限公司	DIAS Automotive Electronics Co., Ltd	China
3	博格华纳(中国)投资有限公司	BorgWarner (China) Investment Co., Ltd.	USA
4	米拉车辆工程技术(上海)有限公司	MIRA China Ltd.	UK
5	艾利丹尼森	AVERY DENNISON	HK
6	慕贝尔汽车部件(太仓)有限公司	Mubea Automotive Components (Taicang) Co., Ltd	Germany
7	宁波永久磁业有限公司	NingBo Permanent Magnetics Co., Ltd	China
8	Applus IDIADA	Applus IDIADA	Spain
9	印度印美成形技术有限公司	Indo-US MIM Tec Pvt. Ltd.	India
10	乔治费歇尔汽车中国	Georg Fischer Automotive China	Switzerland
11	上海奈那卡斯电子配件有限公司	DYANCAST (SHANGHAI) LTD	UK
12	时机电业(香港)有限公司	C&K Components (HK) Ltd.	HK
13	山东银光钰源轻金属精密成型有限公司	Shandong Yinguang Yuyuan Light Metal Precise Forming Co., Ltd.	China
14	FEV GmbH	FEV GmbH	USA
15	安泰科技股份有限公司	Advanced technology&Materials Co., Ltd	China
16	堡敦(上海)机电贸易有限公司	PROTEAN ELECTRIC (SHANGHAI) TRADING CO., LTD	USA
17	东莞市众志检测仪器有限公司	Dongguan Zhongzhi Testing Instruments Co., Ltd	China
18	IAV	IAV	Germany
19	西格里特种石墨(上海)有限公司	SGL CARBON Far East Ltd. Shanghai	USA
20	本特勒投资(中国)有限公司	BENTELER Automotive (China) Investment Limited	Germany
21	丹东欣泰科惠力自动化设备有限公司	Dandong Xintai Coherix Automation Equipment .Co., Ltd.	China
22	通标标准技术服务有限公司	SGS-CSTC Standards Technical Services (shanghai) Co., Ltd.	Switzerland
23	莱尼电气系统(上海)有限公司	LEONI Electrical Systems (Shanghai) Co. Ltd	Germany
24	佛吉亚(中国)投资有限公司	Faurecia (China) Investment Co., Ltd.	France
25	Magnet-Schultz GmbH & Co. KG	Magnet-Schultz GmbH & Co. KG	Germany
26	三菱化学株式会社	MITSUBISHI CHEMICAL CORPORATION	Japan
27	旭硝子株式会社	ASAHI GLASS CO., LTD.	Japan
28	Faessler by Daetwyler Industries MDC Daetwyler (China) Co., Ltd.	Faessler by Daetwyler Industries MDC Daetwyler (China) Co., Ltd.	Switzerland
29	海斯坦普汽车组件(昆山)有限公司上海分公司	Gastamp Auto Components (Kunshan) Co.LTD.Shanghai Branch	Spain
30	邵阳兴达精密机械制造有限公司	Shaoyang Xingda Precision Machinery Manufacturing Co., Ltd	China
31	萨梯雅穆翁车工程咨询(上海)有限公司	Satyam Venture Engineering Services (Shanghai) Co., Ltd	Spain
32	积水中间膜(苏州)有限公司	Sekisui S-lec (suzhou) co., ltd	Japan
33	卢森堡经济部对外贸易及投资促进司	Luxembourg-Ministry of the Economy	Luxembourg
34	Chamber of Commerce of Luxembourg	Chamber of Commerce of Luxembourg	Luxembourg
35	IEE Electronics & Engineering Company Ltd-Beijing Office	IEE Electronics & Engineering Company Ltd-Beijing Office	Luxembourg
36	Cebi International S.A.	Cebi International S.A.	Luxembourg
37	LUXINNOVATION GIE	LUXINNOVATION GIE	Luxembourg
38	广州虹科电子科技有限公司	Hong ke Technology Co., Ltd	China
39	北京行易道科技有限公司	Beijing Autoroad Tech Co., LTD	China
40	ANSYS 中国	ANSYS	USA

## 部分展商名单 Exhibitor List

编号	参展商中文名	参展商英文名	总部国籍
41	上海沪敖信息科技有限公司	Shanghai Hua Information Technology Co., Ltd.	Canada
42	苏州杰泰龙精密压铸工业有限公司	Suzhou Jietailong Precision Casting Industry Co., Ltd.	China
43	CeramTec GmbH	CeramTec GmbH	Germany
44	亦佩捷汽车设备(上海)有限公司	IPG Automotive (Shanghai) Ltd.	Germany
45	上海富田电机制造有限公司	REALLAND MOTORS MANUFACTURE CO., LTD.	China
46	北京盖特爱达科技有限公司	Global Engineering Technology Group	China
47	美国车桥	AAM	USA
48	深圳佑驾创新科技有限公司	Minieye	China
49	新源动力股份有限公司	Sunrise Power Co., Ltd.	China
50	北京航空航天大学交通学院	School of transportation, Beihang University	China
51	苏州安智汽车零部件有限公司	Anzhi Automotive Parts Co., Ltd	China
52	大唐电信科技产业集团	DATANG Telecom Technology&Industry Group	China
53	大陆汽车投资(上海)有限公司	Continental Automotive Holding Co., Ltd	Germany
54	德昌电机	Johnson Electric	HK
55	电装(中国)投资有限公司	Denso (China) Investment Co., Ltd.	Japan
50	北京航空航天大学交通学院	School of transportation, Beihang University	China
51	苏州安智汽车零部件有限公司	Anzhi Automotive Parts Co., Ltd	China
52	大唐电信科技产业集团	DATANG Telecom Technology&Industry Group	China
53	大陆汽车投资(上海)有限公司	Continental Automotive Holding Co., Ltd	Germany
54	德昌电机	Johnson Electric	HK
55	电装(中国)投资有限公司	Denso (China) Investment Co., Ltd.	Japan

# 班车安排及住宿预订 Shuttle Bus Arrangement & Hotel Reservation

## 住宿预订 Hotel Reservation

年会组委会为参会代表推荐以下 4 家住宿酒店，且将在 10 月 26 日 -28 日均提供酒店至会场（上海汽车会展中心）的免费早晚班车。以下价格均包含早餐，并提供免费上网服务。参会代表的住宿费用自理。

2016 SAECCCE Organizing Committee recommends the following four hotels with special contract room rates, and will provide free shuttle buses from and to the Congress venue (SAEC) during Oct 26-28. All prices listed include breakfast and free access to internet. Accommodation fees should be covered by delegates.

有住宿需求的参会代表，请点击以下链接完成注册或联系上海驿动汽车服务有限公司：

联系人：晏女士 / 电话：021-39595940，180-1700-7166 / 传真：021-39495175

<http://ydw.ev-shanghai.com:20110/jiudian/front/dengJiMsg/addView.jhtml>

最后预订和修改订单的期限为 2016 年 10 月 1 日

Delegates can book the following 4 hotels, Please follow the link below or contact:  
Shanghai E-Drive automotive Services Co.,Ltd.

Ms. Yan / Tel: 86-21- 39595940 / Fax: 86-21-39495175

<http://ydw.ev-shanghai.com:20110/jiudian/front/dengJiMsg/addView.jhtml>

Deadline for booking and cancellation is Oct 1, 2016.



**上海颖奕皇冠假日酒店**  
Crown Plaza Shanghai  
Anting (★★★★)

地址：上海市安亭镇博园路 6555 号  
(近安虹路) / Address: No. 6555  
Boyuan Road, Anting Town,  
Jiading District, Shanghai

到展馆路程 / Distance to SAEC:  
3.2km  
标准双人间和大床间每晚价格 (净  
价) / Standard room rate per  
night: RMB 600



**上海嘉正国际安内吉酒店**  
Jiazheng International Hotel  
(★★★★)

地址：上海市安亭镇墨玉路 28 号 (近  
曹安公路)  
Address: No. 28 Moyu Road,  
Anting Town, Jiading District,  
Shanghai

到展馆路程 / Distance to SAEC:  
2.0 km  
标准双人间和大床间每晚价格 (净  
价) / Standard room rate per  
night: RMB 398  
行政套房 (大床房) / Executive  
Suite rate per night: RMB 498



**上海新逸大酒店**  
Shanghai Xinyi Business  
Hotel (★★★★)

地址：上海市安亭镇墨玉路 29 号 (近  
曹安公路)  
Address: No. 29 Moyu Road,  
Anting Town, Jiading District,  
Shanghai

到展馆路程 / Distance to SAEC:  
2.0 km  
四星标准双人间和大床间每晚价格  
(净价) / Standard room rate per  
night on 4 star branch: RMB 350  
三星标准双人间和大床间每晚价格  
(净价) / Standard room rate per  
night on 3 star branch: RMB 258



**上海协通大酒店**  
Shanghai Xietong Hotel  
(★★★)

地址：上海市嘉定区曹安路 4671 号  
(近嘉松北路)  
Address: No. 4671 Caoan Road,  
Jiading District, Shanghai

到展馆路程 / Distance to SAEC: 5.5  
km  
贵宾楼标准双人间和大床间每晚价格  
(净价) / Standard room rate per  
night on VIP building: RMB 280  
主楼标准双人间和大床间每晚价格  
(净价) / Standard room rate per  
night on main building: RMB 240

## 班车安排 Shuttle Bus Arrangement

### 地铁班车 To Metro

**L1:** 地铁上海汽车城站 2 号出口 (步行至安谐路安驰路路口) ↔ 上海汽车会展中心  
Metro Station of Shanghai Automobile City ↔ SAEC

### 酒店班车 To Hotels

**L2:** 上海颖奕皇冠假日酒店 ↔ 上海汽车会展中心  
Crown Plaza Shanghai Anting ↔ SAEC

**L3:** 上海新逸大酒店 & 上海嘉正国际安内吉酒店 ↔ 上海汽车会展中心  
Shanghai Xinyi Hotel & Jiazheng International Hotel (gathering at Xinyi Hotel) ↔ SAEC

**L4:** 上海协通大酒店 上海汽车会展中心  
Shanghai Xietong Hotel ↔ SAEC

### 班车服务联络方式:

谢伟女士 / Ms. Alice Xie: +(86) 13916992846

# 会场信息 Venue Information

## 会场信息 Congress Venue Info:

上海汽车会展中心 / Shanghai Automobile Exhibition Center

地址 Address: 上海市嘉定区安亭镇博园路 7575 号 / No.7575 Boyuan Road, Anting County, Jiading District, Shanghai

电话 Tel:+86-(0)21-69550222

## 会场位置图 Map:



- 1 上海汽车会展中心  
SAEC
- 2 上海嘉正国际安内吉酒店  
Jiazheng International Hotel
- 3 上海颖弈假日酒店  
Crowne Plaza Shanghai Anting
- 4 上海新逸大酒店  
Shanghai Xinyi Business Hotel
- 5 上海协通大酒店  
Shanghai Xietong Hotel
- 6 安亭地铁站 (11 号线)  
Anting Station (Line 11)
- 上海市区 / 虹桥机场方向  
Direction of Shanghai Downtown  
Hongqiao Airport

### 出租车:

上海火车站 → 嘉定汽车会展中心, 约 30 公里。

上海虹桥火车站 → 嘉定汽车会展中心, 约 30 公里。

浦东国际机场 → 嘉定汽车会展中心, 约 80 公里。

虹桥机场 → 嘉定汽车会展中心, 约 30 公里。

### 公交线路:

陆安专线至博园路站下车即达。

### 地铁:

可换乘 11 号线 (安亭方向) 至上海汽车城站下车, 2 号出口出站, 然后沿安谐路步行至安驰路后, 乘坐组委会安排的短驳班车即达, 班车约 10-15 分钟一趟。

### 自驾车:

场馆位于上海市嘉定区安亭镇墨玉南路、博园路交汇处。

### By Taxi:

Shanghai Railway Station → SAEC over 30km away.

Shanghai Hongqiao Railway Station → SAEC over 30km away

Pudong International Airport → SAEC over 80km away.

Hongqiao Airport → SAEC over 30km away.

### By Bus:

Lu An Line to Boyuan Road.

### By Metro:

Transfer to Line 11 (towards Anting Direction), and get off at Shanghai Automobile City Station, No.2 Exit. Walk along Anxie Road until Anchi Road, and shuttle buses will be provided there at an interval of 10-15 minutes.

### By Car:

SAEC is located at the intersection of Moyu South Rd. and Boyuan Rd., Anting Town, Jiading District, Shanghai.