第 19 届亚太汽车工程年会&2017 中国汽车工程学会年会暨展览会

The 19th Asia Pacific Automotive Engineering Conference& 2017 SAE-China Congress & Exhibition (APAC 19 & 2017 SAECCE)

简介 Introduction

中国汽车工程学会很荣幸将于 2017 年 10 月 24-26 日在上海举办第十九届亚太汽车工程年会（APAC 19），同时与中国汽车产业内最受认可的技术交流和展示平台——中国汽车工程学会年会暨展览会（2017 SAECCE）合并成一个活动举办。

APAC19&2017SAECCE 将以“未来汽车与交通变革”为主题，包括全体大会、技术大会、专题分会、技术分会、青年工程师活动、技术展览、试乘试驾、企业参观等精彩活动。除此之外，年会还组织讨论主要技术发展趋势的“高层访谈”、全球主要整车和零部件企业 CTO 参加的“中国汽车技术战略国际咨询委员会”（iTAC）、在中国的国内外整车和零部件技术中心主任参与的“汽车技术首脑闭门峰会”、汽车及相关产业院士领衔召集的 “院士论坛”、以及与美国、日本、韩国、德国、瑞典等国家和地区的国际组织合作举办的国际交流活动，预计规模超过 3000 人。

同期的技术展览面积达 10000 平米，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。

APAC19&2017SAECCE 将是世界各国工程师和企业交流和展示最新研究成果、跟踪和探讨新技术和新方案的最佳平台。

SAE-China is proudly announcing that APAC19 (Asia Pacific Automotive Engineering Conference) will be held in Shanghai in October 24th-26th 2017, co-organizing with the most highly recognized national academic platform in Chinese automotive industry SAECCE(SAE-China Congress & Exhibition).

APAC19&2017SAECCE will take “Future Automobile and Transport Change” as the theme and hold many great events including plenary sessions, Technical Conferences, Special Sessions, Technical Sessions, Young Engineers Event, Exhibition, Test Drive as well as technical tours. Besides, APAC19&2017SAECCE will also organize “High-Level Panel Discussion” that mainly discusses technology development trend, International Technology Advisory Committee for China Automotive Industry (iTAC) Working Meeting participated by CTOs from famous OEMs and auto suppliers, “Closed-door Chinese Technical Leaders Summit” participated by persons who are responsible for R&D center, “Academician Forum” leaded by distinguished academicians, and some activities cooperated with some international organizations from US, Japan, Korea, Germany and Sweden. It is respected to attract more than 3,000 delegates.

The concurrent technical exhibition covers an area of 10,000m^2. 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(ICV), energy-saving and environmental-friendly vehicles, powertrain, automotive electronics, safety, car body, testing, production and manufacturing equipment.

APAC19&2017SAECCE is the best platform for engineers and enterprises from all over the world to communicate with each other and show their latest researches, and follow and discuss new technologies and solutions.

时间及地点 Date & Venue
2017 年 10 月 24-26 日　上海汽车会展中心
地址：上海市嘉定区安亭镇博园路 7575 号
October 24th-26th, Shanghai Automobile Exhibition Center
Add.: No.7575 Boyuan Road, Anting County, Jiading District, Shanghai

主办单位 Organizer
中国汽车工程学会 Society of Automotive Engineers of China(SAE-China)

支持单位 Patronage of
国际汽车工程学会联合会 FISITA

特别合作伙伴 Special Partner
中国汽车人才研究会 China Auto Talents Society
上海国际汽车城 Shanghai International Automobile City

规模 Scale
- 1 高层访谈 High level Penal Session,
- 3 院士论坛 Academician Forum
- 3 技术大会 Technical conferences
- 40+专题分会 Special sessions
- 13 技术分会 Technical Sessions
- 3000 参会代表 delegates
- 10000 m² 技术展 exhibition area

日程概览 Program Overview

	Oct. 23rd	Oct. 24th	Oct. 25th	Oct. 26th	Oct. 27th	同期活动 Concurrent Events
08:30-12:00		**开幕式** **Opening Ceremony** **饶斌奖颁奖** **Rao Bin Medal** **主旨演讲** **Keynote Speech** **高层访谈** **High-level Panel Session**	**院士论坛** **Academician Forums** **分会场 Sub-sessions** 专题分会 Special Sessions 技术分会 Technical Sessions *（分会场数量约 15 个 15 Sub-sessions）*	**分会场 Sub-sessions** 专题分会 Special Sessions 技术分会 Technical Sessions	**企业参观** **Technical Tours**	
13:00-18:00	**注册** **Registration** **iTAC**	**分会场 Sub-sessions** 专题技术大会 Technical Conferences 专题分会 Special Sessions *（分会场数量不多于 8 个 Sub-sessions number limited to 8）* **中国汽车技术首脑闭门峰会** **Closed-door Chinese Technical Leaders Summit**	**院士论坛** **Academician Forum** **分会场 Sub-sessions** 专题分会 Special Sessions 技术分会 Technical Sessions	**分会场 Sub-sessions** 专题分会 Special Sessions 技术分会 Technical Sessions **闭幕式** **Closing Ceremony** **闭幕招待会** **Farewell Reception**		**技术展览** **Technical Exhibition** **试乘试驾** **Test Ride & Drive**
18:30-20:00		**Gala Dinner**				

开幕式及主旨演讲
Opening Ceremony & Keynote Speech

时间及地点：10 月 24 日 08:30-11:15，上海汽车会展中心
Date & Venue: 08:30-11:15, Oct. 24, Shanghai Automobile Exhibition Center

主持嘉宾：张进华 先生，中国汽车工程学会常务副理事长兼秘书长
Moderator: Mr. Zhang Jinhua, Executive Vice President & Secretary General of SAE-China

08:35-09:10 欢迎致辞 Welcome Address

- 付于武先生，中国汽车工程学会理事长
  Mr. Fu Yuwu, President of SAE-China
- 上海市人民政府领导
  Senior Officer from Shanghai Government
- Paul Mascarena 先生，2014-2016 年 FISITA 主席，Fontinalis Partners 特别投资合伙人
  Mr. Paul Mascarena, 2014-2016 President of FISITA, Special Venture Partner of Fontinalis Partners
- 高雄洼冢 先生，日本汽车工程学会常务副理事长，FISITA 副主席-亚洲区
  Mr. Takao Kubozuka, Executive Director, Society of Automotive Engineers of Japan Inc. FISITA Vice President – Asia

09:10-09:20 “汽车工业饶斌奖”颁奖 Rao Bin Medal of China Automobile Industry

09:20-10:50 主旨报告 Keynote Speech

- 政府领导（待定）
  Government Official (TBD)
- 刘波 先生，长安汽车副总裁兼汽车工程研究总院院长
  Mr. Liu Bo, Vice President of Changan Automobile Group, President of Changan Global Research and Development Center
- 綦平 先生，采埃孚（中国）投资有限公司研发中心负责人
  Mr. Qi Ping, Head of Engineering Center, ZF (China) Investment Co., Ltd.
- 陈黎明 博士，博世底盘控制系统中国区总裁
  Dr. Chen Liming, President, Chassis Systems Control China, Bosch

Autos & Future Urban Mobility

- Dr. V. Sumantran, Chairman, Celeris Technologies

高层访谈——未来汽车与交通变革
High-level Panel Discussion：Creating the Automobiles and Mobility for the Future

时间及地点：10 月 24 日 10:50-12:30，上海汽车会展中心
Date & Venue: 10:50-12:30, Oct. 24, Shanghai Automobile Exhibition Center

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

主题：未来汽车与交通变革
Theme: Creating the Automobiles and Mobility for the Future

访谈嘉宾/ Panellists

- 王秋景 博士，广州汽车集团有限公司汽车工程研究院院长
  Dr. Wang Qiujing, President, GAC Automotive Engineering Institute
- 李克强 教授，清华大学教授，中国智能网联汽车产业技术创新战略联盟专家委员会常务副主任
  Prof. Li Keqiang, Tsinghua University, Executive Chairperson of CAICV Committee of Experts
- 永井 正夫 博士， 日本汽车研究所 (JARI)主席

Dr. Masao Nagai, President, Japan Automobile Research Institute (JARI)

- 李斌 博士，交通部公路科学研究院副院长
  Dr. Li Bin, Vice President, Research Institute of Highway of Transport
- 百度
  Baidu
- Paul Mascarena 先生，2014-2016 年 FISITA 主席，Fontinalis Partners 特别投资合伙人
  Mr. Paul Mascarena, 2014-2016 President of FISITA, Special Venture Partner of Fontinalis Partners

院士论坛：汽车强国与低碳发展（高层）论坛
Academician Forum: Auto Power and Low Carbon Development (High-level) Forum

时间及地点：10 月 25 日 10:30-18:00，上海汽车会展中心
Date & Venue: 10:00-18:00, Oct. 25, Shanghai Automobile Exhibition Center

名誉主席：郭孔辉院士，吉林大学汽车学院　名誉院长
Honor Chairman: Prof. Guo Konghui, CAE Academician, Honorary Chairperson of Automotive Engineering College, Jilin University

论坛主席：钟志华院士，同济大学校长；
李骏院士，中国第一汽车集团公司　副总工程师，中国第一汽车股份有限公司技术中心主任
Chairpersons: Prof. Zhong Zhihua, Academician of China Engineering Academy, President of Tongji University
Dr. Li Jun, Academician, Vice Chief Engineer of China FAW, President of China FAW R&D Centre

主办单位：中国工程院机械与运载工程学部、中国汽车工程学会
Hosts: Department of Mechanical and Transportation Engineering of CAE; SAE-China

承办单位：同济大学、中国第一汽车股份有限公司技术中心、中国工程院战略咨询中心
Organizers: Tongji University; FAW R&D Center; Stratigy Consulting Center of CAE

协办单位：中国汽车工业协会、中国汽车技术研究中心、中国汽车工程研究院有限公司、清华大学汽车工程系
Co-organizers: CAAM; CATARC; CAERI; Department of Automotive Engineering of Tsinghua University

主论坛：汽车强国与低碳发展（10:00-12:30）
Prime-forum: Auto Power and Low Carbon Development (10:00am-12:30pm)

演讲嘉宾/Speakers：

- 陈清泰先生，中国电动汽车百人会理事长
  Mr. Chen Qingtai, President of China EV100
- 郭孔辉院士，吉林大学　汽车学院名誉院长
  Prof. Guo Konghui, CAE Academician, Honorary Chairperson of Automotive Engineering College, Jilin University
- 董扬先生，中国汽车工业协会常务副会长
  Mr. Dong Yang, Executive Vice President of China Association of Automobile Manufacturers
- 钟志华院士，同济大学校长
  Prof. Zhong Zhihua, Academician of China Engineering Academy
- 魏建军先生，长城汽车股份有限公司　董事长（待定）
  Mr. Wei Jianjun, President of Great Wall Motor（TBD）
- 李骏院士，中国第一汽车集团公司副总工程师，中国第一汽车股份有限公司技术中心主任
  Dr. Li Jun, Academician, Vice Chief Engineer of China FAW, President of China FAW R&D Centre
- 李斌先生，蔚来汽车联合创始人、董事长兼 CEO
  Mr. Li Bin, Co-founder, President and CEO of NextEV

分论坛一：变革期的汽车强国之路（14:00-18:00）
Sub-Forum 1: The Road to Auto Power in a Transformative Period (14:00-18: 00)

简介/ Introduction:

“汽车强国战略研究”为汽车领域宏观战略研究，通过系统研究我国汽车产业和汽车社会整体发展情况，对我国汽车在新形势下面临的发展状况、关键问题、发展路径等开展研究。本次论坛主要围绕汽车强国发展，汽车产业（企业）发展、汽车政策发展、汽车技术发展、汽车与能源资源发展、汽车与环境发展、汽车人才发展、汽车文化发展、新能源汽车和智能网联汽车发展等主题开展研讨和交流，为汽车产业和汽车社会和谐健康发展提供智力支撑，为社会经济发展贡献力量。

"The study on auto power strategy" is a macro strategy study on automobile industry in China, is doing research of the entire development of China’s automobile industry and society to explore the development, major issues and development path that China’s automobile industry faces in the new situation. And this forum will focus on the themes including auto power development, auto industry (enterprise) development, auto policy development, auto technology development, auto and energy resource development, auto and environment development, auto talent development, auto culture development, new energy vehicles and intelligent and connected vehicles, and hopes that it will provide intellectual support for the harmonious and healthy development of China’s automobile industry and society, and make contributions to social and economic development in China

主持嘉宾： 董扬先生，中国汽车工业协会常务副会长
余卓平教授，同济大学校长助理
Moderators: Mr. Dong Yang, Executive Vice President of China Association of Automobile Manufacturers
Prof. Yu Zhuoping, Assistant President, Tongji University

议题/Topics:

- 汽车强国的关键问题和发展路径
- 汽车整车和零部件产业发展
- 汽车关键基础和前瞻性技术发展
- 汽车产业自主发展之路
- 汽车社会协同发展之路
- 新能源和智能网联汽车发展
- Majors issues and development path of auto power
- The development of automobile and auto parts
- The development of basic and prospective major technologies in automobile industry
- The path of independent development of automobile industry
- The path of coordinated development of automobile society
- The development of new energy vehicles and intelligent and connected vehicles

演讲嘉宾/Speakers：

- 林忠钦院士，上海交通大学　校长
  Prof. Lin Zhongxin, Academician, President of Shanghai Jiao Tong University
- 杨裕生院士，中国人民解放军防化研究院
  Dr. Yang Yusheng, Academician of China Engineering Academy
- 黄崇祺院士，上海电缆研究所有限公司
  Dr. Huang Chongqi, Academician of China Engineering Academy
- 安庆衡先生，中国汽车工业咨询委员会主任
  Mr. An Qingheng, President of China Automobile Industry Advisory Committee
- 邬学斌先生，百度公司副总裁
  Mr. Wu Xuebin, Vice President of Baidu
- 李开国先生，中国汽车工程研究院有限公司董事长
  Mr. Li Kaiguo, President of China Automotive Engineering Research Institute

- 余卓平教授，同济大学校长助理
  Prof. Yu Zhuoping, Assistant President, Tongji University
- 李克强教授，清华大学
  Prof. Li Keqiang, Tsinghua University
- 核心零部件企业
  Key Component Supplier

分论坛二：转型期的汽车低碳创新（14:00-18:00）
Sub-Forum 2: Auto Low Carbon Innovation in a Transformative Period (14:00-18: 00)

简介/ Introduction:

“中国汽车低碳化系统工程研究”以汽车为载体梳理、建立并提出低碳系统工程实施战略顶层设计，围绕汽车产品结构、汽车低碳技术、汽车低碳制造、汽车低碳使用模式、清洁能源/电能供应、汽车网联化以及低碳汽车社会生态构建等核心领域展开，对解决当前我国转型升级与经济发展问题具有重大的现实意义。

"China automobile low carbonization system engineering research" takes automobile as a carrier to comb, establish and propose top-level design of the implementation strategy of low carbon system project, and it develops around the core fields including automotive product structure, automotive low carbon technology, automotive low carbon manufacturing, automotive low carbon usage pattern, clean energy/electricity supply, automobile network connection and low carbon automobile social ecological construction, producing great practical significance in solving the problems of the transformation and upgrading as well as economic development in China.

主持嘉宾：赵福全 教授，清华大学汽车产业与技术战略研究院院长
Moderator: President of Tsinghua Automotive Strategy Research Institute (TASRI), 2018-2020 President of FISITA

议题/Topics:

- 新能源汽车技术
- 汽车能源低碳技术
- 燃料电池汽车技术
- 汽车轻量化技术
- 智能交通与低碳技术
- 全生命周期低碳技术
- New energy vehicle technology
- Low-carbon technology for automobile energy
- Fuel Cell Vehicle Technology
- Automotive lightweight technology
- Intelligent transportation and low carbon technology
- Full life circle low carbon technology

演讲嘉宾/Speakers：

- 丁文江院士，上海交通大学
  Prof. Ding Wenjiang, Academician of China Engineering Academy, Shanghai Jiaotong University
- 衣宝廉院士，中国科学院大连化学物理研究所
  Dr. Yi Baolian, Academician of China Engineering Academy
- 苏万华院士，天津大学
  Prof. Su Wanhua, Academician of China Engineering Academy, Tianjin University
- 江冰先生，国网电动汽车服务有限公司总经理
  Mr. Jiang Bing, General Manager, State Grid EV Service Co., Ltd.

- 高和生先生，中国汽车技术研究中心副主任
  Mr. Gao Hesheng, Vice President of China Automotive Technology & Research Center (CATARC)
- 王云鹏教授，北京航空航天大学副校长（待定）
  Prof. Wang Yunpeng, Vice President of Beihang University（TBD）
- 赵福全教授，清华大学汽车产业与技术战略研究院院长
  Prof. Frank Zhao, President of Tsinghua Automotive Strategy Research Institute (TASRI), 2018-2020 President of FISITA
- 李康博士，中国第一汽车股份有限公司技术中心副总工程师
  Dr. Li Kang, Vice Chief Engineer, China FAW R&D Center

智能网联汽车技术相关分会场议题
Sub-Sessions on ICV

1. 中瑞论坛-零伤亡愿景——没有人应该在车祸中死亡
   China-Sweden Forum: Vision Zero - Nobody Should be Killed by Vehicle
2. 跨越L2到L4的鸿沟：人工智能的担当
   The Role of AI to Cross the Chasm from L2 to L4
3. 人工智能与自动驾驶
   Artificial Intelligence and Autonomous Driving
4. V2X产业化推进：测试示范实践
   Promotion of V2X Industrialization：Test Demonstration Practice
5. 第十二届中国道路交通事故研究研讨会——开发自动驾驶的场景搭建技术研究
   The 12nd Symposium on Road Traffic Accident Research in China: How to Build Scenarios for Automated Drive Development？
6. 智能网联汽车基本安全性测评方法
   ICV Fundamental Security Validation Methodology
7. 自动泊车系统的应用与发展
   Application and Development of Automatic Parking System
8. 智能网联环境下的智能交通理论与技术
   Intelligent and Connected Transportation & Automated Driving
9. 中美论坛：中美智能网联汽车信息安全
   China-US Forum: China-US ICV Cyber Security
10. 汽车人机交互技术论坛：面向驾驶体验的智能汽车人机交互设计
    Automotive HMI Technology: The IV's HMI Design for Driving Experience
11. 商用车智能网联技术
    Advanced Intelligent and Connected Technology for Commercial Vehicles
12. 从驾驶辅助到自动驾驶，高精度地图与定位的发展道路
    HD Map and Positioning Development from ADAS to AD
13. 如何建设智能网联汽车基础数据平台
    How to Construct the Basic Data Platform of Intelligent &Connected Vehicles
14. 青年科学家论坛——智能网联汽车及未来交通出行方式
    Young Scientists Forum——ICV and the Future Transportation Mode
15. 智能网联汽车环境感知与驾驶员行为感知关键技术
    Environment Perception & Multi-Sensors Fusion in ICV
16. ADAS系统建模、仿真及测试评价技术
    ADAS System Modeling, Simulation and Test Evaluation Technology

V02：中瑞论坛-零伤亡愿景——没有人应该在车祸中死亡
China-Sweden Forum: Vision Zero - Nobody Should be Killed by Vehicle

时间及地点：10 月 24 日 13:30-15:30，上海汽车会展中心
Date & Venue: 13:30-15:30, Oct. 24, Shanghai Automobile Exhibition Center

承办单位：中国汽车工程学会、中瑞交通安全研究中心
Co-organizers: SAE China, China Sweden Research Center for Traffic Safety (CTS)

会议主席：陈超卓 先生，纵目科技（上海）股份有限公司市场&商务拓展副总裁
Chairperson: Mr. Chen Chaozhuo, Director, VP, Zongmu Technology Co., Ltd.

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

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。"

本次分会将对自动驾驶发展过程中产生的法律、法规、标准问题，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，对瑞典以欧洲他国在该领域先进经验的学习，有助于促进中国自动驾驶技术的顺利发展，从而加速"零伤亡愿景"在中国的实现。

"Vision Zero" is an attempt of road traffic safety from Sweden, it did help significantly reduce traffic accidents and casualties in Sweden, and it has been gradually recognized by industry. "China-Sweden research center for traffic safety (CTS)" is established with the support from the Ministry of Enterprise, Energy and Communications of Sweden and the Ministry of Transport of China, to strengthen the collaboration in the area of traffic safety. The vision of CTS is to deliver advanced international cooperation in traffic safety, to reduce traffic accidents and casualties with a focus on China.

This special session will discuss some key topics in AD(automated driving) technology area, law, and regulation, standard, FOT (field operational test) and HMI (Human Machine Interface). Deep discussion in these topics can help Chinese developers to learn experience from Sweden and other European countries. It could further promote the development of automation technology in China, which could accelerate the realization of "Vision Zero" in China.

议题/Topics:

- 瑞典提升交通安全的方法与经验
- 瑞典推动自动驾驶发展的举措
- HMI 设计
- 主动安全技术和自动驾驶技术
- The measures and experience to improve traffic safety in Sweden
- The Initiatives to Facilitate and Encourage AD in Sweden
- HMI Design
- Active Safety &AD Technology

演讲嘉宾/ Speakers

- Anna Nilsson-Ehle 女士，瑞典查尔姆斯理工大学交通安全中心总监
  Ms. Anna Nilsson-Ehle, Director of SAFER Vehicle and Traffic Safety Centre at Chalmers, Sweden
- Mats Rosenquist 先生，沃尔沃卡车对外合作研究总监
  Mr. Mats Rosenquist, Director of external research collaboration, VOLVO Group
- 陈芳，副教授，瑞典查尔姆斯理工大学交通安全中心
  Dr. Chen Fang, Associate professor, SAFER Vehicle and Traffic Safety Centre at Chalmers, Sweden
- 朱西产，同济大学汽车学院教授

Prof. Zhu Xichan, Professor, Tongji University

- Thomas Broberg 先生，沃尔沃汽车公司安全研发中心高级经理
  Mr. Thomas Broberg, Senior Manger of Safety R & D, Volvo Cars
- 交通运输部公路科学研究院
  Research Institute of Highway of Transport

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V03：跨越 L2 到 L4 的鸿沟：人工智能的担当
The Role of AI to Cross the Chasm from L2 to L4

时间及地点：10 月 24 日 13:30-15:30，上海汽车会展中心
Date & Venue: 13:30-15:30, Oct. 24, Shanghai Automobile Exhibition Center

会议主席：李德毅院士，中国工程院院士（待定）
Chairperson: Mr. Li Deyi, Academician of Chinese Academy of Engineering(TBD)

联合会议主席: 吴甘沙先生，驭势科技CEO
Co-chairperson: Mr. Wu Gansha, CEO of UISEE

简介/ Introduction:

去年特斯拉的数起事故反映了主流 L2 智能驾驶技术的局限性，业界已经对此展开了更深入和务实的探索。同时，业界普遍认为 2021 年将实现城市区域 L4 智能驾驶的成规模商业化。从 L2 到 L4，人工智能要经历什么样的跃迁？L3 和 L4 的人工智能应该具备什么样的能力和鲁棒性？如何解决人工智能与人的共存和合作？如何对人工智能进行测试、以获得足够的置信度？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。

Several Tesla accidents last year have reflected the limitation of mainstream L2 automated driving technologies. The industry has started the in-depth exploration on potential solutions. Meanwhile, it is widely accepted that L4 automated driving in urban environments will be commercialized in scale in 2021. What leapfrog is AI going to take from L2 to L4? What kind of capabilities and robustness should L3/L4 AI achieve? How to allow AI and humans to coexist and collaborate? How to test AI and achieve enough confidence? This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- L2，L3 和 L4 的技术挑战和设计挑战
- 从弱人工智能到更通用的驾驶智能
- 如何提升智能驾驶人工智能的鲁棒性和置信度
- 如何能更有效地对智能驾驶的人工智能进行测试
- The technology and design challenges of L2, L3 and L4 automated driving
- From weak AI to more general, stronger AI for autonomous driving
- How to improve the robustness and guarantee the confidence of driving AI
- Testing driving AI more effectively

演讲嘉宾/ Speakers

- 李德毅 院士，中国工程院院士（待定）
- 余凯 先生，地平线机器人技术创始人&CEO
  Sensing and Perception Technologies for Automated Driving – from Concepts towards Production

- 张文德 博士，通用汽车公司视觉计算负责人
- 卢策吾 教授，上海交通大学
- 英伟达
- 吴甘沙先生，驭势科技 CEO

- Mr. Li Deyi, Academician of Chinese Academy of Engineering（TBD）
- Mr. Yu Kai, Founder&CEO, Horizon Robotics Incorporated

Sensing and Perception Technologies for Automated Driving – from Concepts towards Production

- Dr. Zhang Wende, BFO of Viewing Systems, General Motors
- Prof. Lu Cewu, Shanghai Jiaotong University
- NVIDIA
- Mr. Wu Gansha, CEO of UISEE

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V01：人工智能与自动驾驶
Artificial Intelligence and Autonomous Driving

时间及地点：10 月 24 日 13:30-15:30，上海汽车会展中心
Date & Venue：13:30-15:30, Oct. 24, Shanghai Automobile Exhibition Center

协办单位：北京百度网讯科技有限公司
Co-organizer: Beijing Baidu Netcom Science Technology Co., Ltd.

会议主席: 公维洁 女士，中国汽车工程学会副秘书长
Chairperson: Ms. Gong Weijie, Vice Secretary General of SAE-China

联合会议主席：邬学斌 先生，百度副总裁
Co-chairperson: Mr. Wu Xuebin, Vice President of Baidu

简介/ Introduction:

自动驾驶具备感知、分析、决策、控制等多项尖端技术，是人工智能领域的集大成者。随着云计算、大数据和深度学习的快速发展，人工智能经历了数次波峰波谷，正迎来突破期，并逐渐成为实现自动驾驶的关键所在。目前，国内外积极致力于应用人工智能技术实现高级别自动驾驶，加快构建自动驾驶产业生态。自动驾驶作为未来市场最大、前景最好的人工智能重要领域，正引领社会和生活变革。那么，人工智能能够为自动驾驶行业提供哪些动力？如何构建自动驾驶产业新的产业生态？如何加速自动驾驶实现商业化？自动驾驶的发展需要哪些政策法规标准的支持？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。

This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- 人工智能如何加速自动驾驶汽车产业发展？
- 人工智能：助推自动驾驶从 L3 跨越到 L4、L5
- 如何构建自动驾驶的产业新生态？
- 国家的政策标准如何加速自动驾驶的商业化？
- 自动驾驶如何结合智能化的交通设施构建新一代智慧交通体系？

拟邀请演讲嘉宾/ Speakers being invited

- 工信部、发改委等领导致辞或政策解析
- 邬学斌 先生，百度副总裁

- 博世
- 黄勇 先生，奇瑞汽车研究院院长
- 吕卫锋 教授，北京航空航天大学计算机学院院长

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V04：V2X 产业化推进：测试示范实践
Promotion of V2X Industrialization：Test Demonstration Practice

时间及地点：10 月 25 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40, Oct. 25, Shanghai Automobile Exhibition Center

会议主席：杜江凌，通用汽车中国科学研究院院长
Chairperson: Dr. John Du, Director of GM China Science Lab

简介/ Introduction:

目前，我国 C-V2X 及 V2X 应用层标准即将发布，车载设备在研发，数据平台在建设，车企与通信企业在联合共同推进 V2X 的产业化，但我国整车企业还没有清晰的推进计划，政府也还尚未明确要加大 V2X 相关设施的投入，也还没有相关应用推动计划。美国通过大规模 V2X 开放道路测试示范，来验证技术的可靠性、进行交通影响分析，进而支撑相关政策出台、标准制定，进而产业化推进，是一个很好的经验借鉴。

我国已经做了 V2X 方面的测试和示范应用，这些实践是否已经能够证明 V2X 技术的可靠性、提升汽车和交通安全、效率方面的社会效应和商业价值？如果通过实践来推动产业化的发展，我们还需要做哪些测试示范？本专题分会将邀请国内外专家学者就 V2X 测试示范实践进行经验分享及问题讨论。

At present, China's C-V2X and the application layer standards about V2X to be released， the researches of OBU(on-board unit) equipments are going on, data platform in construction, vehicle and communication enterprises jointly promote the industrialization of V2X, but vehicle enterprises have no clear plan to promote , the government has no clear manner about increasing V2X related facilities, also has no plan to promote related applications. The United States already carried out large-scale V2X open road test demonstration, which verify the reliability of technology, traffic impact analysis, and support the introduction of relevant policies, standards, and industrialization.

China is promoting V2X test and demonstration applications, these practices have been able to prove whether the reliability of V2X technology, to improve safety and efficiency of automobile traffic, social effect and commercial value? If to promote the development of industrialization through practice, we need to do what test demonstrations? This topic will invite the domestic and foreign experts to share and discuss on the V2X test demonstration practice.

议题/Topics:

- 我国 V2X 产业化路径及测试示范推进
- 美国 V2X 开放道路规模化测试验证推动产业化实践
- 我国 V2X 开放道路测试示范探索
- Apollo 计划推动 V2X 产业化
- 开放道路 V2X 测试示范数据采集与交通影响分析
- V2X industrialization path and test demonstration promotion in China
- Us V2X open road scale test verification to promote industrialization practice
- Exploration and demonstration of V2X open road test in China
- Apollo promote V2X industrialization
- Open road V2X test demonstration data acquisition and traffic impact analysis

演讲嘉宾/ Speakers

我国 V2X 产业化路径及测试示范推进

— 杜江凌 博士，通用汽车中国科学研究院院长

美国 V2X 开放道路规模化测试验证推动产业化实践

— Henry Liu 教授，密西根大学土木与环境系教授、交通研究所研究员、智能网联交通研究中心主任

我国 V2X 开放道路测试示范探索

— 姚丹亚 教授，清华大学自动化系/863 车路协同项目首席科学家

Apollo 计划推动 V2X 产业化

— 李震宇先生，百度

开放道路 V2X 测试示范数据采集与交通影响分析

— 吴琼 女士，北京千方科技股份有限公司

移动通信及 LTE-V 未来演进

— 王映民 先生，大唐集团总工程师、科技发展部总经理、创新中心总经理

V2X Industrialization Path and Test Demonstration Promotion in China

— Dr. John Du, Director, General Motors China Science Lab

Us V2X Open Road Scale Test Verification to Promote Industrialization Practice

— Prof. Henry Liu, Civil and Environmental Engineering; Research Professor, University of Michigan Transportation Research Institute; Director, Center for Connected and Automated Transportation, University of Michigan, Ann Arbor

Exploration and Demonstration of V2X Open Road Test in China

— Prof. Yao Danya, Department of Automation, Tsinghua University

Apollo Promote V2X Industrialization

— Mr. Li Zhenyu, Baidu (TBD)

Open Road V2X Test Demonstration Data Acquisition and Traffic Impact Analysis

— Ms. Wu Qiong, Beijing Qian Fang Technology Corporation Ltd.

Mobile Communication and LTE-V Evolution

— Mr. Wang Yingmin, CTO, GM of S&T Dept, GM of Innovation Center

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

P03：第十二届中国道路交通事故研究研讨会——开发自动驾驶的场景搭建技术研究

The 12nd Symposium on Road Traffic Accident Research in China: How to Build Scenarios for Automated Drive Development

时间及地点：10 月 25 日 08:30-11:40，上海汽车会展中心

Date & Venue: 08:30-11:40, Oct. 25, Shanghai Automobile Exhibition Center

承办单位：同济大学

Co-organizer: Tongji University

会议主席：王宏雁教授，同济大学汽车学院

Chairperson: Prof. Wang Hongyan, School of Automotive Studies, Tongji University

简介/ Introduction:

为自动驾驶技术在以深度学习为突破的“人工智能”快速发展的背景下，被给予了前所未有的关注，包括互联网公司，传统车企，新兴创业公司，各方资本和技术企业纷纷投入。自动驾驶技术的发展依赖于四个基本要素，即计算能力和效率、驾驶场景大数据、算法与决策、传感器技术。其中驾驶环境场景大数据是开发算法和决策的基础。但中国道路状况复杂，目前还没有权威的交通环境场景和交通事故场景库可以充分代表中国的交通场景状况，有待于科研机构可企业进行更加深入的积累和研究。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。

议题/ Topics：

- 汽车自动驾驶技术场景的法规和标准
- 基于两轮车交通场景汽车自动驾驶技术开发
- 中国智能驾驶的交通场景模型研究进展
- 两轮车事故场景搭建和可避免性分析应用
- 自动驾驶汽车的保险策略

演讲嘉宾/ Speakers

汽车自动驾驶技术场景的法规和标准
– 于峰 先生，上海汽车技术中心被动安全试验所，所长
基于两轮车交通场景汽车自动驾驶技术开发
– 王大志 博士，上汽集团安全工程与虚拟技术部，总监
中国智能驾驶的交通场景模型研究进展
– 朱西产 教授，同济大学汽车学院，教授
两轮车事故场景搭建和可避免性分析应用
– 何宇桐 博士，上海联合道路交通安全科学研究中心，副主任
自动驾驶汽车的保险策略
– 王治 先生，太平洋保险公司项目部总监
基于交通事故场景开发新一代辅助驾驶策略
– 杨震 博士，吉利汽车研究院安全技术开发部，主任

形式/ Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion (60 minutes)

V06：智能网联汽车基本安全性测评方法
ICV Fundamental Security Validation Methodology

时间及地点：10 月 25 日 16:00-18:00，上海汽车会展中心
Date & Venue: 16:00-18:00, Oct. 25, Shanghai Automobile Exhibition Center

协办单位：上海国际汽车城（集团）有限公司
Co-organizer: Shanghai International Automotive City

会议主席：王长君 先生，所长，公安部交通管理科学研究所
Chairperson: Mr. Wang Changjun, Director, Traffic Management Research Institute of Ministry of Public Security

主持嘉宾：朱西产 教授，同济大学
Moderator: Prof. Zhu Xichan, Tongji University

简介/ Introduction:

主要基于智能网联车辆准入测试开展探讨。车辆上路之前应该完成哪些测试认证？哪些法律法规、标准规范需要做出调整？怎样建设一个支撑全测试链条的有场景库?

Mainly based on the study of intelligent vehicle testing in open roads. What tests should be done to get the certification of open road testing? Which laws, regulations, standards and regulations need to be adapted for open roads testing? How to build a scenarios library that supports the complete ICV validation chain?

议题/Topics:

- 上路测试准入的相关问题研究
- 国外上路测试的项目开展情况

- 车企的智能网联汽车测评路线
- 封闭试验场与公共道路示范区之间的协同和衔接
- 智能网联汽车电子身份与安全认证问题
- 智能网联汽车标准法规体系研究与建设
- 信息安全标准进展
- Research on Relevant Issues of open roads testing admission
- Overseas projects on open roads testing
- OEMs' roadmap of ICV validation
- Coordination and cohesion between closed testing field and open road demonstration area
- ICV electronic identity and security authentication
- The research and construction of ICV standard and regulation system.
- Progress in information security standards

演讲嘉宾/ Speakers

- 荣文伟 先生，上海国际汽车城（集团）有限公司，董事长，总经理
- 邓湘鸿 先生，中国汽车技术研究中心，全国汽车标准化委员会，主管工程师
- 孙剑 教授，同济大学，教授，博士生导师
- 葛雨明 博士，中国信息通信研究院高级工程师
- 袁建华 先生，公安部交通管理科学研究所，研究员
- Mr. Rong Wenwei, Chairperson and General Manager of Shanghai International Automobile City (Group) Co., Ltd.
- Mr. Deng Xianghong, China Automotive Technology Research Center, Chief Engineer of the National Automobile Standardization Committee
- Prof. Sun Jian, Tongji University
- Dr. Ge Yuming, Senior Engineer, China Academy of Information and Communication Technology
- Mr. Yuan Jianhua, Researcher, Traffic Management Science Research Institute, Ministry of Public Security

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V07：自动泊车系统的应用与发展
Application and Development of Automatic Parking System

时间及地点：10 月 25 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30, Oct. 25, Shanghai Automobile Exhibition Center

会议主席：戴一凡 博士，清华大学苏州汽车研究院，智能汽车技术研究所，所长
Chairperson: Dr. Dai Yifan, Director, Intelligent Vehicle Research Center, Suzhou Automobile Research Institute of Tsinghua University

简介/ Introduction:

城市狭小空间内的找车位和泊车一直是困扰众多驾驶员特别是新手驾驶员的痛点问题。自动泊车系统的应用给驾驶员带来了很大的便利，该系统可帮助驾驶员快速的找到停车位，并自动的泊入和泊出狭小车位。正是由于其能够显著的提升驾驶便利性，自动泊车系统已成为各国智能网联汽车发展规划中的核心应用。

Finding parking space and parking in the crowded city is always big trouble for drivers, especially for novice drivers. The application of automatic parking system has brought a great convenience to drivers. It helps drivers to find the parking space, and parks into and out of a small parking space automatically. Automatic parking system has become a key application of ICV development strategy around the world, because of its ability to improve the

driving convenience.

议题/Topics:

- 适用于中国复杂停车位工况的车位搜寻技术
- 自动泊车系统与其他车载 ECU 之间的交互设计
- 自动泊车系统与智能停车场、智慧城市建设的协同
- 自动泊车系统的测试验证
- 自动泊车系统的标准法规
- Parking space searching technology for complex parking conditions in China
- Interaction design between auto parking system and other ECU in vehicle
- Cooperation of automatic parking system、intelligent parking lot and smart city
- Test and verification of automatic parking system
- Standards and regulations for automatic parking system

演讲嘉宾/ Speakers

自动泊车系统的定义与开发

– 黎予生 博士，重庆长安汽车智能化研究院副院长

一汽自动泊车系统的发展

– 杜建宇 先生，中国第一汽车集团公司技术中心自动泊车项目负责人

智能泊车系统若干关键技术研究进展

– 江浩斌 教授，江苏大学汽车与交通工程学院，院长

– 博世

– 法雷奥（待定）

Definition and Development of Automatic Parking System

– Dr. Li Yusheng, Vice President, Chongqing Changan Automobile Intelligent Research Institute

Development of FAW APA

– Mr. Du Jianyu, APA Project Leader, China FAW Group Corporation R&D Center

Research Progress on Some Key Technologies of Intelligent Parking System

– Prof. Jiang Haobin, Dean of School of Automotive and Traffic Engineering, Jiangsu University

– Bosch (Speaker to be determined)

– Valeo(TBD)

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（20min）

V08：智能网联环境下的智能交通理论与技术
Intelligent and Connected Transportation & Automated Driving

时间及地点：10 月 25 日 13:00-18:00，上海汽车会展中心
Date & Venue: 13:00-18:00, Oct. 25, Shanghai Automobile Exhibition Center

协办单位：东南大学
Co-organizer: Southeast University

会议主席：冉斌 教授，东南大学，东南大学-威斯康星大学智能网联交通研究院 院长
Chairperson: Prof. Bin Ran, Southeast University, Dean of Institute on Internet of Mobility Southeast University and University of Wisconsin-Madison

简介/ Introduction:

智能网联汽车的发展将从根本上改变传统的智能交通理论与技术。智能网联交通环境下新一代的交通流理论该如何开展研究？智能网联交通环境下的智能交通感知技术有哪些新的发展？智能网联交通环境

下的主动交通管理控制、交通安全将会出现哪些新的技术？如何从道路系统出发，更为高效的实现自动驾驶？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。

The development of connected automated vehicle will fundamentally change the traditional intelligent transportation theory and technology. How to study the new generation of traffic flow theory in connected automated vehicle highway environment? What are the new developments in intelligent traffic awareness technology in connected automated vehicle highway environment? What new technologies will appear in active traffic management control and traffic safety in connected automated vehicle highway environment? How to drive more efficiently from the road system? The special session will invite experts and scholars at home and abroad to discuss the above issues.

议题/Topics:

- 智能网联交通环境下的新一代交通流理论
- 智能网联交通环境下的智能交通感知技术
- 智能网联交通环境下的主动交通管理与控制技术
- 智能网联交通环境下的交通安全技术
- 面向智能网联交通的自动公路系统
- Automatic Road System for Connected Automated Vehicle Highway
- A New Generation of Traffic Flow Theory in Connected Automated Vehicle Highway Environment
- Intelligent Traffic Awareness Technology in Connected Automated Vehicle Highway Environment
- Active Traffic Management and Control Technology in Connected Automated Vehicle Highway Environment
- Traffic Safety Technology in Connected Automated Vehicle Highway Environment

拟邀请演讲嘉宾/ Speakers being invited

- 张毅 教授，清华大学，系统工程研究所所长
- 王云鹏 教授，北京航空航天大学， 副校长
- 刘攀 教授，东南大学， 交通学院院长
- 杨晓光 教授，同济大学，智能交通运输系统（ITS）研究中心主任
- 黄合来 教授，中南大学，交通运输工程学院副院长
- 刘晓波 教授，西南交通大学，交通运输与物流学院院长
- Prof. Yi Zhang, Tsinghua University, Director of Institute of Systems Engineering
- Prof. Yunpeng Wang, Beihang University, Vice President
- Prof. Pan Liu, Southeast University, Dean of School of Transportation
- Prof. Xiaoguang Yang, Tongji University, Director of the Research Center for Intelligent Transportation Systems (ITS)
- Prof. Helai Huang, Central South University, Associate Dean of the School of Traffic and Transportation Engineering
- Pro. Xiaobo Liu, Southwest Jiaotong University, Dean of the School of Transportation and Logistics

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V09：中美论坛：中美智能网联汽车信息安全
China-US Forum: China-US ICV Cyber Security

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40, Oct. 26, Shanghai Automobile Exhibition Center

承办单位：北美华人汽车工程师协会、北美清华汽车行业校友会
Co-organizer: North America Chinese Society of Automotive Engineers(NACSAE), North America Tsinghua

Automotive Alumni Association(NATAAA)

会议主席：董愚 博士，北美华人汽车工程师协会副会长
Chairperson: Dr. Mike Dong, Vice-President, NACSAE

联合会议主席：樊疆 女士，北美清华汽车行业校友会副会长
Co- Chairperson: Ms. Joy Fan, Vice-President, NATAAA

主持嘉宾：刘建行 博士，中国智能网联汽车产业创新联盟秘书处
Moderator: Dr. Liu Jianxing, Secretary of CAICV

简介/ Introduction:

随着汽车网联化、智能化不断推进，智能网联汽车所面临的信息安全形势日趋严峻，黑客攻击、安全漏洞等问题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。智能网联汽车的信息安全已成为世界各国、企业、消费者普遍关注的问题

本专题将邀请中美智能网联汽车信息安全专家和学者，共同探讨信息安全的评估、标准、预测模型、测试方法等内容，以期为汽车信息安全解决方案提供中美之间的交流平台。

While vehicles are becoming more intelligent and connected to networks, intelligent networks of vehicles are facing a serious cyber security threat. Hackers have successfully demonstrated information tampering, virus intrusion and other means to resulting in to hardware paralysis and system failures. Such security breach can cause personal data leak and corporate economic losses. Hence, automotive data/cyber security is topic of great interest in foreseeable future.

The session gathers Sino-US scholars and experts in the field of intelligent network of automotive information security and standardization to explore the cyber security, forecasting model and test methods, with a view to the automotive network system cyber security and standardization of solutions.

议题/Topics:

- 智能网联汽车信息安全的标准
- 信息安全测试方法
- 如何测试与评价汽车信息安全
- Standards of the Intelligent Connected Vehicle cyber security
- Testing on ICV cyber security
- How to build the vehicle cyber security testing evaluation system

演讲嘉宾/ Speakers:

真实多样化汽车信息安全测试：挑战，需求和实践
– Sandeep Sinha Roy 先生，Vice President - Asia pacific of TüV Rheinland Group
– 严威 博士，Visual Threat 创始人兼首席执行官
智能网联汽车的思考 – 威胁模型与保护架构
– 弓峰敏博士，滴滴信息安全战略副总裁，滴滴美国研究院院长
智能网联汽车车载端信息安全现状及趋势
– 秦洪懋 博士，北京航空航天大学交通学院助理研究员
题目待定
– 罗璎珞 女士，中国信息通信研究院泰尔终端实验室
FOTA 升级——智能网联汽车软件迭代的最佳选择
– 芮亚楠 先生，上海广升信息技术股份有限公司车联网事业部总经理
汽车信息安全标准体系研究
– 孙航 先生，中国汽车技术研究中心汽车标准化研究所

Automotive Security Dynamic Testing: Challenges, Needs and Practice
– Mr. Sandeep Sinha Roy, Vice President - Asia pacific of TüV Rheinland Group

— Dr. Yan Wei, Founder & CEO, Visual Threat

Intelligent Connected Vehicles – Threat Model & Protection Architecture

— Dr. Gong Fengmin, Cybersecurity Strategy VP of Didi Group; Dean of American Institute of Research of Didi Group

Status and Tendency of Vehicular Cybersecurity on Intelligent and Connected Vehicles (ICV)

— Dr. Qin Hongmao, Assistant Researcher, School of Transportation, Beihang University

Topic to be determined

— Ms. Luo Yingluo, China Academy of Information and Communication Technology

The Best Choice of the Smart Vehicle Software Upgrade

— Mr. Rui Yanan, IOV Department GM, Adups Technology Co., Ltd.

Research on Vehicle Cyber Security Standard

— Mr. Sun Hang, Auto Standardization Research Institute, China Automotive Technology & Research Center

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V10：汽车人机交互技术论坛：面向驾驶体验的智能汽车人机交互设计
Automotive HMI Technology forum: The IV's HMI Design for Driving Experience

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40, Oct. 26, Shanghai Automobile Exhibition Center

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

会议主席：高振海 教授，吉林大学
Chairperson: Prof. Gao Zhenhai, Jilin University

联合会议主席：胡宏宇 副教授，吉林大学
Co- Chairperson: Asso. Prof. Hu Hongyu, Jilin University

简介/ Introduction :

伴随人工智能、增强现实等技术的快速发展，以及辅助驾驶、无人驾驶的功能性需求，汽车人机交互已经成为引领智能网联汽车创新的风向标。本专题分会以"面向驾驶体验的智能汽车人机交互设计"为主题，聚焦研讨交流"智能网联汽车 HMI 用户体验评价、AI 驱动下的汽车人机交互技术、驾驶人因工程及在 HMI 设计中的应用"等主流技术与最新发展趋势。

With the rapid development of artificial intelligence (AI), augmented reality (AR) and the functional requirement in ADAS and automated driving, HMI design has become an important symbol of IV's innovation. The topic of this special session is "The IV's HMI design for driving experience". Domestic and foreign experts will be invited to make keynote speeches and interactive discussions. Speech issues include latest development trends of User experience evaluation of IV's HMI design, AI-driven vehicle HMI technology and human factors engineering for driving and so on.

议题/ Topics：

- AI 驱动下的汽车人机交互技术
- 驾驶人因工程及在汽车 HMI 设计中的应用
- 智能出行时代的汽车 HMI 用户体验评价
- AI driven Automobile HMI Technology
- Human Factor in Driving and Its Application in Automobile HMI Design
- User Experience Evaluation of Automobile HMI in Intelligent Travelling Era

演讲嘉宾/ Speakers

传祺汽车动态体感交互构想

– 梅兴泰 先生，广州汽车集团股份有限公司汽车工程研究院整车集成部 专业总师

综合商品性的主客观一致性研究

– 郭平 女士，中国第一汽车集团公司技术中心整车试验认证室 主任/研究员级高级工程师

智能手机导航系统的人机界面安全性评价

– 郑仁成 博士，日本东京大学 研究员

中文语音合成系统的客观评价方法

– 雷文辉 先生， 宝马（中国）服务有限公司 人工智能研发与技术助理经理

ARHUD 在智能汽车 HMI 中的应用前景

– 石景华 先生，衍视科技 CEO

人工智能工具助力汽车设计全流程

– 赵静 女士，上海麦思哲工业设计咨询有限公司 CEO/联合创始人，MEScience 人工智能技术服务有限公司 CXO

商用车视野及盲区测试

– 肖宏伟 先生，吉林大学 副教授

Real-time Somatosensory Interactive Concept of TrumpChi Vehicle

– Mr. Mei Xingtai, Chief Engineer, Vehicle Integration Dept., GAC Engineering

A Consistency study on Objective and Subjective Evaluation of Customer Satisfaction

– Ms. Guo Ping, Director/ Senior engineer, Vehicle Test Dept., China FAW Group Corporation R&D Center

Safety Evaluation of Human-Machine Interfaces for Smartphone Navigation Systems

– Dr. Zheng Rencheng, Research Fellow, University of Tokyo

Objective Evaluation Method for Chinese Text-To-Speech System

– Mr. Lei Wenhui，Assistant Manager R&D Research & Technology – Artificial Intelligence, BMW China Services Ltd

The application prospect of ARHUD in intelligent car's HMI

– Mr. Shi Jinghua, CEO, YESAR Electronics Technology

How AI tools help in Car design and development process

– Ms. Cindy Zhao, CEO，Shanghai MassThinker /CXO, MEScience Limited

Commercial Vehicle Vision Field and Blind Area Test

– Mr. Xiao Hongwei, Associate professor, Jilin University

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（50min）

V11：商用车智能网联技术
Advanced Intelligent and Connected Technology for Commercial Vehicles

时间及地点：10 月 25 日 08:30-11:40，上海汽车会展中心

Date & Venue: 08:30-11:40, Oct. 25, Shanghai Automobile Exhibition Center

协办单位：CAICV商用车工作组、东风商用车有限公司、中国一汽技术中心

Co-organizer: Commercial Vehicle Work Group of CAICV, Dongfeng Commercial Vehicle Co., Ltd., FAW Group Corporation R&D Center

会议主席：蒋学锋 博士，东风商用车技术中心主任，中国智能网联汽车产业创新联盟理事

Chairperson: Mr. Jiang Xuefeng, Head of Dongfeng Commercial Vehicle Tech Center, Board Member of CAICV

简介/ Introduction:

商用车是智能网联技术应用的最重要领域之一，尤其是基于商用车作为运输工具的特殊性，商用车可能会是智能网联技术率先推向商业化的领域之一。为推动商用车智能网联技术尽快成熟化与产业化，需要重点探讨以下方面的相关问题：深入考虑商用车领域智能网联技术的特殊性，深入探索在商用车领域率先推广智能网联技术并尽快产业化的有效路径，并研究如何验证智能网联在商用车安全、节能环保、提高运输效率等方面的实际效果。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。

Commercial Vehicle is one of the most important fields of ICV application. As commercial vehicle is the tool for freight transport, it probably can be one of the first commercialization fields for ICV technology. In order to promote the Commercial Vehicle ICV technology maturation and industrialization more quickly, several fields of matters must be given much thought. The specialty of Commercial Vehicle ICV technology needs to be considered. The roadmap on how to promote Commercial Vehicle ICV technology and make it quickly industrialized needs to be explored. How to test and verify Commercial Vehicle ICV effects on safety, fuel saving & environment protection, and improvement for freight efficiency, needs to be considered. This session will invite domestic and foreign experts / scholars to discuss the relevant topics.

议题/Topics:

- 商用车传感技术和数据融合技术的特殊性问题
- 商用车 L2 以下驾驶辅助技术在国内应用过程中的特殊问题及对策
- 商用车 L3 以上自动驾驶技术实现的有效途径和需要考虑的特殊问题
- 商用车控制执行技术及其商业化的推进
- 商用车网联技术实现的特殊性要求
- 商用车智能网联技术可率先推进商业化应用的场景
- 商用车智能网联技术测试和验证的特殊性问题
- Commercial Vehicle Sensor technology and the data fusion, special considerations on this field
- Drive Assistance Technology (L2 and lower) of Commercial Vehicle, special issues on application in China, and the solutions
- Automated Drive Technology (L3 and higher) of Commercial Vehicle, the effective ways for realizing it, and special issues need to be considered
- Commercial Vehicle actuator technology, and the promotion for the industrialization
- Connectivity technology of Commercial Vehicle, and the special requirements for it
- Application scenario and industrialization fields for Commercial Vehicle ICV, which can be first promote
- Test /validation methods for Commercial Vehicle ICV, and the special issues on it

演讲嘉宾/ Speakers

- 蒋学锋 博士，东风商用车技术中心主任，中国智能网联汽车产业创新联盟理事
- Francois Guichard 先生，UNECE WP29 负责人（待定）
- 沃尔沃卡车公司
- 克诺尔公司
- 秦民 博士，中国一汽技术中心

自动驾驶客车多传感器信息融合技术研究

- 彭能岭 博士，郑州宇通客车股份有限公司，宇通集团新能源研究院副院长
- 中国重汽（待定）
- 余贵珍 教授，北京航空航天大学

- Mr. Jiang Xuefeng, Head of Dongfeng Commercial Vehicle Tech Center, Board Member of CAICV
- Mr. Francois Guichard, UNECE WP29(TBD)
- Volvo Truck
- Knorr-Bremse
- Dr. Qin Min, FAW Group Corporation R&D Center

Research on Multi-sensor Information Fusion Technology for Autonomous Buses

- Mr. Peng Nengling, Vice President of New Energy Research Institute, Yutong Group

- CNHTC (TBD)
- Prof. Yu Guizhen, Beihang University

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V12：从驾驶辅助到自动驾驶，高精度地图与定位的发展道路
HD Map and Positioning Development from ADAS to AD

时间及地点：10 月 26 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30, Oct. 26, Shanghai Automobile Exhibition Center

会议主席：杨殿阁 教授，清华大学，清华大学汽车系主任
Chairperson: Prof. Yang Diange, Tsinghua University, Director of the Department of Automotive

联合会议主席：李戈扬 博士，千寻位置网络有限公司，副总经理
Co-chairperson: Dr. Li Geyang, Qianxun SI, Deputy General Manager

简介/ Introduction :

议题/Topics:

- 高精度定位技术和应用的现状与展望
- 面向不同级别自动驾驶高精度地图和技术路线
- 高精度定位和高精度地图的法律法规
- 国外车企对高精度定位和高精度地图的经验分享

拟邀请演讲嘉宾/ Speakers being invited

- 国家测绘地理信息局
- Benhard Morys 博士，戴姆勒
- Curtis Hays，美国通用汽车
- 曹旭东先生，CEO, Momenta
- 博世
- 高德
- Here（TBD）
- 朱敦尧教授，武汉大学 GNSS 中心

- National Administration of Surveying, Mapping and Geoinformation of China
- Dr. Benhard Morys, Daimler
- Curtis Hays, General Motors
- Mr. Cao Xudong, CEO, Momenta
- Bosch
- AutoNavi
- Here(tbd)
- Prof. Zhu Dunyao, GNSS research Center of Wuhan University

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

V13：如何建设智能网联汽车基础数据平台
How to Construct the Basic Data Platform of Intelligent &Connected Vehicles

时间及地点：10 月 26 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30, Oct. 26, Shanghai Automobile Exhibition Center

协办单位：中国智能网联汽车产业创新联盟
Co-organizer: China Industry Innovation Alliance for the Intelligent and Connected Vehicles

会议主席：成波 教授，清华大学苏州汽车研究院院长
Chairperson: Prof. Cheng Bo, President, Suzhou Automobile Research Institute, Tsinghua University

联合会议主席：李家文 先生，清华大学苏州汽车研究院智能网联汽车中心副主任
Co-chairperson: Mr. Li Jiawen, Vice Director, Intelligent Network Automotive Center, Suzhou Automobile Research Institute, Tsinghua University

简介/ Introduction:

基础数据平台是智能网联汽车实现信息互联互通的基础，同时也为实现各类高级智能网联驾驶应用，丰富人-车-路协同应用服务场景提供基础条件与实施环境，是未来实现智能网联汽车大规模发展的重要助力。

本专题拟邀请高校、车企以及通信服务等针对平台架构、平台接口与数据标准、平台开放与数据共享，平台业务与生态构建等议题展开讨论，探寻发展智能网联汽车基础数据平台技术、标准的创新解决方案。

The basic data platform is the basis for Intelligent & Connected Vehicles to achieve information interconnection, which provides the basic conditions and implementation environment for realizing various types of advanced intelligent and connected driving applications and enriching human-vehicle-road collaborative application scenarios. It will play an important role in the large-scale development of intelligent connected vehicle in the future.

This topic intends to invite colleges, automotive enterprises and communication service companies to discuss platform architecture, platform interface and data standard, platform opening and data sharing, platform business and ecological construction to explore the innovative solutions of technology and standard to develop the basic data platform of Intelligent & Connected Vehicles.

议题/Topics:

- 车辆基础数据的标准化接口
- 车辆网联平台在智能网联汽车中的典型应用
- 车辆网联平台的核心技术体系
- 车辆网联平台的系统安全
- Standardized interface for vehicle basic data
- Typical application of connected vehicle platform in Intelligent and Connected Vehicles
- Core technology system of connected vehicle platform
- System security of connected vehicle platform

演讲嘉宾/ Speakers

构建智能网联汽车的基础数据平台实践之路
– 杨海军 先生，主任工程师，北汽集团新技术研究院
商用车 OEM 网联数据平台的典型应用
– 王钊 先生，陕汽工程研究院智能服务研究所所长
新能源汽车大数据平台建设与应用
– 刘鹏 博士，北京理工大学
– 陈丹，副总裁，北京四维图新科技股份有限公司
车联网基础数据平台助力 V2X 产业发展
– 聂永丰 先生，云核心网产品线车联网标准总监，华为技术有限公司
中国移动在车联网领域的探索
– 林琳 女士，中国移动政企客户分公司，交通行业解决方案部，高级产品经理

Basic Data Platform for Intelligent and Connected Vehicles in Action
- Mr. Yang Haijun, Chief Engineer, BAIC New Technology Research Institute

Connectivity Data Platform Applications of Commercial Vehicle OEMs
- Mr. Wang Zhao, Director, Intelligent Service Institute, Shaanxi Automotive Engineering Research Institute

Construction and Application of New Energy Vehicles Big-data Platform
- Dr. Liu Peng, Beijing Institute of Technology
- Chen Dan, Vice President, Navinfo

Vehicle Data Platform Boost V2X Development
- Mr. Frank Nie, Cloud Core Network Internet of Vehicle Standard Director, Huawei Technology Co., Ltd.

China Mobile's Exploration in Vehicle Networking
- Ms. Lin Lin, Senior Product Manager, Department of Transportation Industry Solutions, China Mobile Communications Corporation, Government and Enterprise Service Company

P04：青年科学家论坛——智能网联汽车及未来交通出行方式

Young Scientists Forum——ICV and the Future Transportation Mode

时间及地点：10 月 25 日-26 日，上海汽车会展中心
Date & Venue: Oct. 25-26, Shanghai Automobile Exhibition Center

会议主席 / Chairperson:
高振海 教授，吉林大学，汽车工程学院
Prof. Gao Zhenhai, Jilin University

田大新 副教授，北京航空航天大学交通科学与工程学院，院长助理，特聘研究员
Asso. Prof. Tian Daxin, Beihang University

李升波 副教授，清华大学汽车系，青年长江学者，基金委优青
Asso. Prof. Li Shengbo, Tsinghua University

蔡英凤 副教授，江苏大学，江苏大学汽车工程研究院常务副院长，交通感知与智能车辆技术研究所所长
Asso. Prof. Cai Yingfeng, Executive vice dean of Automotive Engineering Research Institute, Jiangsu University

组织机构/ Organizing Committee
主办：中国科学技术协会
Host: China Association for Science and Technology

承办：中国汽车工程学会
Organizer: Society of Automotive Engineers of China (SAE-China)

协办：吉林大学汽车仿真与控制国家重点实验室、北京航空航天大学交通科学与工程学院、清华大学汽车安全与节能国家重点实验室、江苏大学汽车工程研究院、中国汽车工程学会技术教育分会
Co-organizer: The State Key Laboratory of Automotive Simulation and Control (ASCL), Jilin University. School of Transportation Science and Engineering, Beihang University. State Key Laboratory of Automotive Safety and Energy, Tsinghua University. The Automotive Engineering Research Institute of Jiangsu University. Technical Education Committee of SAE-China.

10 月 25 日上午主题/ Theme in the morning of Oct. 25：

智能安全 Intelligent Safety

简介/ Introduction:

智能网联汽车解决的核心问题是汽车行驶安全。如何通过汽车智能化与网联化，在传统的汽车主被动

安全技术基础上，更好地实现汽车智能安全。本专题将邀请国内外青年专家学者就相关问题开展讨论。

The core-solving problem of intelligent and connected vehicle is driving safety. How to achieve better vehicle intelligent safety by means of vehicle intellectualization and cyber physical system based on passive and active automotive safety technologies? This session will invite the young experts and scholars home and abroad to discuss intelligent safety issues.

议题/Topics:

- 高可靠性的车载自主式环境感知
- 复杂道路交通环境下轨迹自主决策
- 汽车运动学与动力学自学习控制
- 城市与高速公路智能安全功能实现
- High-reliability vehicular autonomous environmental perception
- Autonomous course decision making under complex traffic environment
- The self-learning control of vehicle kinematics and dynamics
- The realization of intelligent safety functions for urban area and highway

演讲嘉宾/ Speakers

电车伦理难题的驾驶员本能性反应规律研究
– 高振海 教授，吉林大学
视觉显著性及其在环境感知中的应用
– 蔡英凤 副教授，江苏大学汽车工程研究院常务副院长
Haptic Steering Interface for Monitoring and Assist Drivers
– 中野公彦 副教授，日本东京大学
基于大数据及脑活动可视化的驾驶员行为特性研究
– 李曙光 副教授，四川大学
智能车功能开发及测试评估
– 周俊杰 先生，奇瑞前瞻院智能驾驶技术总工

Simulator Study of Driver's Instinctive Response with the Trolley Problem
– Prof. Gao Zhenhai, Jilin University
Visual Saliency and Its Application in Environmental Perception
– Asso. Prof. Cai Yingfeng, Executive vice dean of Automotive Engineering Research Institute, Jiangsu University
Haptic Steering Interface for Monitoring and Assist Drivers
– Asso. Prof. Kimihiko Nakano, The University of Tokyo
Study on Driver Behavior Using Bigdata and Functional Neuroimaging Technology
– Asso. Prof. Li Shuguang, Sichuan University
Intelligent Vehicle Function Development and Test Evaluation
– Mr. Zhou Junjie, Intelligent Drive Technology Chief Engineer, Chery Automobile Co.,Ltd.

形式/Format

- 15 分钟演讲+15 分钟问答/人 Presentations (15 minutes)+Q&A(15 minutes) each

10 月 25 日下午主题/ Theme in the afternoon of Oct. 25：

智能移动 Intelligent Mobility

简介/ Introduction:

汽车、无线通信、人工智能技术的快速发展，引发传统汽车和交通行业的技术变革，智能交通系统逐步由以汽车电子技术为代表的 1.0 时代和以移动互联和大数据技术为代表的 2.0 时代，发展为以人工智能和车路协同技术为主导的智能交通 3.0 系统。在此过程中，交通系统中参与元素（如人、车、路、中心等）的感知、协作、智能化程度大幅度提升，出现了智能网联汽车、智能路网、智能车群等一系列新的理念，孵化出一批科技创新公司和高校科研团体，共同构筑智能移动和智能出行核心技术，为人们的移动出行提供更加优质的交通信息服务。

The development of automobile, wireless communication and artificial intelligence technology cause the technical changes of the traditional automobile and transportation industry. Intelligent transportation system (ITS) has eventually improved from the telematics based ITS 1.0 technologies and the mobile Internet and big data based ITS 2.0 technologies, to promote to artificial intelligence and connected & automated vehicles based ITS 3.0 technologies. In the progression, the sensing, collaboration, and intelligence of elements (such as pedestrians, vehicles, roadsides, and network centers, etc.) consisted in traffic systems has greatly upgraded. Some new concepts come out into view, such as connected & automated vehicles, intelligent road network, and swarm intelligent vehicles. A series of scientific innovation companies, high education universities and research institutes together to establish the platform of intelligent mobility and ride sharing for people to get better traffic information services.

议题/Topics:

- 智能网联汽车功能、应用、评测
- 智能路侧功能、规划设计
- 移动互联、信息融合、信息处理
- 车路协同和车联网系统
- ICVs' Functions, Applications, and Evaluation
- IRSs' Functions, Planning and Design
- Mobile Internet, Data Fusion, and Information Processing
- Connected Vehicles and Internet of Vehicles

演讲嘉宾/ Speakers

智能汽车的系统动力学与协同控制

– 李升波 副教授，清华大学

– 汪林 先生，国家智能交通系统工程技术研究中心副主任

中国自动驾驶汽车运行安全测试评价初步设想

– 陆文杰 博士，道路交通集成优化与安全分析技术国家工程实验室

自动驾驶挑战与机遇

– 苏奎峰 先生，腾讯自动驾驶实验室技术总监

北京市智能交通与智能网联汽车融合发展展望

– 孙建平 女士，北京交通发展研究院智能交通所副所长

互联环境下多车动力学解耦及控制

– 高峰 教授，重庆大学

– 徐昕 博士，国防科技大学

Dynamical Modeling and Cooperative Control for Highly Automated Vehicles

– Asso. Prof. Li Shengbo, Tsinghua University

– Mr. Wang Lin, National Intelligent Transport Systems Center of Engineering and Technology，ITSC

Primary Research on Autonomous Vehicle Operational Safety Testing and Evaluation in China

– Dr. Lu Wenjie, Traffic Management Research Institute of MPS

Challenges and Opportunities for Automatic Driving

– Mr. Su Kuifeng, Tencent

The Future of Beijing ITS and Connected Vehicle

– Ms. Sun Jianping, Beijing Transport Institute

Decoupling and Control of Connected Vehicle Dynamical Systems
- Prof. Gao Feng, Chongqing University
- Dr. Xu Xin, National University of Defense Technology

形式/Format

- 15 分钟演讲+15 分钟问答/人 Presentations (15 minutes)+Q&A(15 minutes) each

10 月 26 日上午主题/ Theme in the morning of Oct. 26：

智能出行与智能共享 Ride Sharing and Travelling Sharing

简介/ Introduction:

随着交通参与元素的多层次化，以及智能汽车的环境感知需求的多元化发展，交通系统逐步发展为复杂的巨系统。如何充分利用海量的交通数据，为出行提供服务？如何更好的发展共享汽车、共享出行模式？本议题将围绕交通大数据衍生出的信息服务开展讨论。

Nowadays, the elements of transportation systems and the sensing requirements of intelligent vehicles have been diversified which gradually upgrades transportation systems into complicated giant systems. How to better utilize massive traffic data for people to get better travelling services? How to better develop ride sharing? Traffic information services based on big data will be discussed in this topic.

议题/Topics:

- 综合交通大数据
- 数据处理、挖掘、预测
- 移动出行信息服务
- 共享汽车、共享出行
- Big Data for Integrated Transportation Systems
- Data Processing, Mining and Prediction
- Travelling Information Services
- Ride Sharing and Travelling Sharing

演讲嘉宾/ Speakers

车联网群体编队控制关键技术
- 田大新 副教授，北京航空航天大学
- 刘攀 教授，东南大学交通学院

基于模式转移的驾驶风格评测研究
- 李国法 博士，深圳大学

新一代信息通信技术助力智慧出行服务
- 葛雨明 博士，中国信息通信研究院高级工程师

基于滴滴轨迹数据的智慧信号灯
- 孙伟力 博士，滴滴出行专家算法工程师

另眼看共享出行
- 路海峰 先生，汽车数据工场联合创始人
- 杨必胜 教授，武汉大学

The Key Technology of Connected Vehicles Floot
- Asso. Prof. Tian Daxin, Beihang University
- Prof. Liu Pan, School of Transportation

Driving Style Estimation Using Maneuver Transition Probabilities

– Dr. Li Guofa, Shenzhen University
The New Generation of ICT Technologies Support Smart Mobility Services
– Dr. Ge Yuming, Senior Engineer of CAICT
Traffic Signal Optimization with DiDi's Vehicle Trajectory Data
– Dr. Sun Weili, Expert Algorithm Engineer, Didi Chuxing
Rethinking Ride Sharing
– Mr. Lucars, SoCar
– Prof. Yang Bisheng, Wuhan University

形式/Format

- 15 分钟演讲+15 分钟问答/人 Presentations (15 minutes)+Q&A(15 minutes) each

10 月 26 日下午 / afternoon of Oct. 26：

沙龙讨论

主题：未来汽车及出行方式

形式：分 8 组，每组由组长在会前组织约 7 名成员。

议题：围绕未来 10 年、未来 30 年的汽车及交通，针对特定情景来讨论，并推举 1 人陈述方案、并经过评审专家和现场听众，从想象力、科学水平（可实现性）、社会效应、经济价值等维度评价，评选出优胜方案。

VT1：ADAS 系统建模、仿真及测试评价技术
ADAS System Modeling, Simulation and Test Evaluation Technology

时间及地点：10 月 25 日 16:00-18:00，上海汽车会展中心
Date & Venue: 16:00-18:00, Oct. 25, Shanghai Automobile Exhibition Center

会议主席：罗禹贡 副教授，清华大学汽车工程系
Chairperson: Asso. Prof. Luo Yugong, Department of Automotive Engineering, Tsinghua University

2017APAC-ICV-022：Adaptive Cruise Control System based on Optimal Control Algorithm
– Bai Guanglu，合肥工业大学
2017APAC-ICV-061：Overtaking Safe Assistance System Based on the Vehicle to Vehicle Communication
– Mo Chunmei，重庆大学
2017APAC-ICV-085：基于摄像头在环的 AEB 行人仿真研究
– 张可科 先生，上海汽车集团股份有限公司技术中心
邀请报告：汽车主动安全系统设计与仿真的集成式开发方法研究
– 张巍 先生，北京汽车研究总院有限公司
邀请报告：Test Facilities for Connected and Automated Vehicles
– Pau Kuipers 先生，IDIADA Automotive Technology
邀请报告：Current and Future Challenges for Smart Vehicles
– Shang Zhe 先生，FEV China Co., Ltd.

2017APAC-ICV-022: Adaptive Cruise Control System Based on Optimal Control Algorithm
– Bai Guanglu, HeFei University of Technology
2017APAC-ICV-061: Overtaking Safe Assistance System Based on the Vehicle to Vehicle Communication
– Mo Chunmei, School of Automotive Engineering, Chongqing University

2017APAC-ICV-085: The HIL simulation test of AEB pedestrian Based on Camera in the loop

– Mr. Zhang Keke, Saic Motor Corporation Limited Passenger Vehicle Co.

Invited Report: Integrated Approach for Active Safety System Analysis and Design

– Mr. Zhang Wei, Beijing Automotive Technology Center

Invited Report: Test Facilities for Connected and Automated Vehicles

– Mr. Pau Kuipers, IDIADA Automotive Technology

Invited Report: Current and Future Challenges for Smart Vehicles

– Mr. Shang Zhe, FEV China Co., Ltd.

VT2：智能网联汽车环境感知与驾驶员行为感知关键技术

Environment Perception & Multi-Sensors Fusion in ICV

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心

Date & Venue: 08:30-11:40, Oct. 26, Shanghai Automobile Exhibition Center

会议主席：罗禹贡 副教授，清华大学汽车工程系

Chairperson: Asso. Prof. Luo Yugong, Department of Automotive Engineering, Tsinghua University

2017APAC-ICV-006：一种密集特征环境下 SLAM 的数据关联方法

– 姚聪 先生，一汽技术中心

2017APAC-ICV-021：The Study of Sensor Data Analysis Methods Using Big Data Analysis Tool

– KI WOO SUNG 博士，Durability Technology Team, Hyundai Motor Group

2017APAC-ICV-075：基于方向盘转角特性与支持向量机的驾驶疲劳检测研究

– 张利 先生，东风商用车技术中心

2017APAC-ICV-083：于离散小波变换和支持向量机算法的驾驶行为智能识别研究

– 朱向雷 先生，中国汽车技术研究中心

2017APAC-ICV-115：典型工况下驾驶员转向意图分类及辨识研究

– 华一丁 博士，江苏大学

2017APAC-ICV-006: A Novel Data Association Approach for Slam in Dense Features Environment

– Yao Cong, China FAW Group Corpration R&D Center

2017APAC-ICV-021: The Study of Sensor Data Analysis Methods Using Big Data Analysis Tool

– Dr. KI WOO SUNG, Durability Technology Team.Hyundai Motor Group

2017APAC-ICV-075: Driver fatigue detection based on SVM and Steering Wheel Angle Characteristics

– Mr. Zhang Li, DongFeng Commercial Vehicle Technical Center

2017APAC-ICV-083: A Study on Driving Behavior Intelliegence Recognition Based on Discrete Wavelet Transform and Support Vector Mechine Algorithm

– Mr. Zhu XiangLei, China Automotive Technology & Research Center

2017APAC-ICV-115: Research on Driver 's Steering Intention Classification and Identification under Different Typical Operating Conditions

– Dr. Hua Yiding, Jiangsu University

新能源及混合动力相关议题

Sessions on New Energy and HEV

1. 电动一体化底盘
   Electric Integrated Chassis
2. 中德论坛：电动汽车再生制动系统和动力学控制技术
   Sino-Germany：Technology about active safety and dynamics control of EV
3. 2017中国新能源汽车动力电池系统会议
   2017 China New Energy Vehicle Power Battery System Conference
4. 汽车共享出行战略
   Car Sharing and Transportation
5. 中日韩论坛：车用燃料电池技术
   CJK：Advanced Fuel Cell Technology for Vehicle Applications
6. 整车控制及能量管理
   Vehicle Control and Energy Management
7. 电机及电驱动技术
   Motor and E-Drive Technologies
8. 动力电池和纯电动汽车
   Batteries and Electric Vehicles
9. 混合动力汽车及动力系统
   Hybrid Electric Vehicle and Powertrain

N01：电动一体化底盘
Electric Integrated Chassis

时间及地点：10 月 24 日 13:30-15:30，上海汽车会展中心
Date & Venue: 13:30-15:30, Oct. 24, Shanghai Automobile Exhibition Center

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

会议主席：张农 教授，千人计划专家，悉尼科技大学、清华大学和合肥工业大学双聘教授，中国汽车工程学会悬架技术分会副主任
Chairperson: Prof. Zhang Nong, Expert honored by Thousand Talents Program, University of Technology, Sydney, dual employed by Tsinghua University and Hefei University of Technology, Vice Chairperson of Suspension Technology Branch of SAE China

联合会议主席：周舟博士，中国汽车工程研究院股份有限公司副总经理
Co-chairperson: Dr. Zhou Zhou, Vice President, China Automotive Engineering Research Institute Co., Ltd.

简介/ Introduction:

随着电驱动及其相关技术的不断发展，电动化一体化底盘迎来了一个崭新的时代，汽车驱动、悬架、转向系统面临更为复杂的集成化和协同工作，对整车性能设定也上升到新高度。如何合理地设计电动化底盘开发中各级目标指导整车正向开发？如何将电驱动系统集成至底盘形成便于更换的模块化部件？如何有效地提高车辆的动力性、行驶里程以及改善整车的操纵安全性？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。

With development of electric driven and related technologies, a new era of electric integrated chassis is coming. It requires more complex integration and cooperation among driven, suspension and steering systems, as well as higher level of vehicle performances. How to reasonably set vehicle targets under different levels for performance design? How to integrate electric system into chassis for more convenient exchange of this module? How to improve performances of power dynamic, driving range, handling and safety? This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- 集成电驱动底盘模块和子系统
- Electric integrated module and subsystem

演讲嘉宾/ Speakers

IHIS - 智能液压互连悬架：理论与应用
– 张农 教授，千人计划专家，悉尼科技大学，中国汽车工程学会悬架技术分会副主任
日产智能动力
– 小林健树 先生，日产（中国）投资有限公司
mSTARS - Modular Semi-trailing Arm Rear Suspension
– Dipl.-Ing. (FH) Knut Heidsieck, 高级开发，汽车底盘技术，德国采埃孚集团
– 舍弗勒(TBD)
– 中国汽车工程研究院股份有限公司(TBD)
– 李罡 先生，院长助理，广州汽车集团股份有限公司
IHIS – Intelligent Hydraulically Interconnected Suspensions: Theory and Applications
– Prof. Zhang Nong, University of Technology, Sydney, Vice Chairperson of Suspension Technology Branch of SAE China
Nissan Intelligent Power
– Kenju KOBAYASHI, Nissan（China）Investment Co., Ltd.

mSTARS - Modular Semi-trailing Arm Rear Suspension

- Dipl.-Ing. (FH) Knut Heidsieck, Advanced Development, Car Chassis Technology, ZF Friedrichshafen AG
- Schaeffler(TBD)
- China Automotive Engineering Research Institute Co., Ltd. (TBD)
- Mr. Li Gang, Assistant to the President, Guangzhou Automobile Group Co., Ltd.

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

N02：电动汽车再生制动系统和动力学控制技术
Technology about active safety and dynamics control of EV

时间及地点：10 月 25 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40, Oct. 25, Shanghai Automobile Exhibition Center

会议主席：陈祯福 博士，德国大陆集团，全德华人机电学会副主席
Chairperson: Dr. Chen Zhenfu, Continental AG, Vice Chairperson of CGME

简介/ Introduction:

近年来新能源汽车得到了快速发展，再生制动系统作为新能源汽车的重要子系统，对于新能源汽车的节能、环保、安全和动力学性能都具有较大影响，需要对整车的动力性能进行全面综合的协调控制，以保证汽车制动时方向稳定性和满足制动要求基础上最大程度回收车辆的制动能量，其性能提升可加速推动新能源汽车的广泛使用。

本专题分会拟邀请国内外专家学者针对电动汽车再生制动系统和动力学控制技术相关问题展开讨论，主要涉及能量回馈式制动系统结构设计、控制策略分析及对整车动力学控制的影响等关键技术。

EV and new energy vehicles have been developed very quickly in recent years. In order to promote good features of energy-saving, environmental protection at the same time, excellent vehicle dynamics performance and sufficient active safety, new technologies for the coordinated control of driving system and chassis systems must be applied for EVs.

This session will invite experts and scholars at home and abroad to discuss these technologies about the active safety and vehicle dynamics control for EVs.

议题/Topics:

- 再生制动系统及其匹配问题
- 驱动的动力性及灵活性协调问题
- 紧急制动时驱动系统与制动系统的协调问题
- 汽车稳定性控制时驱动系统与制动系统的协调问题
- Regenerative braking system and its matching problem
- Driving dynamics and flexibility coordination issues
- Coordination of the drive system and the braking system during emergency braking
- Coordination of drive system and braking system in vehicle stability control

演讲嘉宾/ Speakers

电动车的智能底盘

- 施正堂 先生，浙江亚太机电股份有限公司副总经理

轮毂电机驱动汽车转矩分配策略

- 杜常清 教授，武汉理工大学博士生导师
- 朱朝宏博士，采埃孚（中国）投资有限公司电驱事业部总监
- 李静教授，吉林大学

– 刘明辉博士（待定）
–

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

P02：动力电池技术研讨会
Power Battery Technology Conference

时间及地点：2017 年 10 月 25 日 08:30-17:00，上海汽车会展中心
Date & Venue：08:30-17:00, October 25, 2017, Shanghai Automobile Exhibition Center

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

会议主席：侯福深，副秘书长，中国汽车工程学会
Chairperson: Mr. Hou Fushen, Deputy Secretary General，SAE-China

会议主席：赵立金先生，副部长，中国汽车工程学会
Chairperson: Mr. Zhao Lijin, Deputy Director, SAE-China

简介/ Introduction:

随着我国新能源汽车市场规模的不断扩大，对动力电池系统的技术水平、安全性能、产品品质提出了更高的要求，为了促进动力电池系统研发经验交流，推动动力电池系统技术的发展，本专题将聚焦动力电池的热管理技术、消防安全技术、电池系统设计及性能评价等内容，邀请国内研究机构及企业的专家进行详细介绍。

With the continuous expansion of the new energy automotive market, higher demands is set on the power battery system technical level, safety performance and product quality .In order to promote the development of power battery system technology, promote and share the development of power battery system of domestic independent brand and the experience of loading applications, the topic is focused on thermal power management technology, fire safety technology, battery system design and and performance evaluation. The experts invited from domestic research institutions and business will give a detailed description.

议题/Topics:

- 动力电池热管理系统技术研究
- 动力电池消防安全技术研究
- 动力系统的结构设计方案、BMS 控制技术、安全防护性能等
- 如何评价动力电池系统的技术水平
- EV-Battery thermal management system technology research
- EV-Battery fire safety technology research
- Power Battery design, BMS control technology, security performance and so on
- How to evaluate the technical level of power battery system

演讲嘉宾/ Speakers:

我国动力电池产业技术进展及建议
– 王秉刚先生，技术专家委主任，电动汽车产业技术创新战略联盟
电动汽车电池热管理系统的空气动力学研究
– Shinri Muto 先生，动力电池知名专家，日本
动力电池热管理技术开发经验
– Johannes Roessner 中国区动力电池经理，TÜV 南德意志集团
动力电池火灾特点及处置技术研究

– 黄昊，副研究员，公安部上海消防研究所
基于多场景动力电池安全的消防系统开发及应用
– 张曼莉，总经理，杭州中传消防设备有限公司
奇瑞汽车动力电池系统介绍
– 曾祥兵，部长，奇瑞新能源汽车技术有限公司，电池系统部
高比能液冷电池包
– 赵久志，技术总监，安徽江淮汽车集团股份有限公司，新能源汽车研究院，电池部
北汽新能源动力电池系统介绍
– 盛军，副部长，北京新能源汽车股份有限公司，电池工程部
长安汽车动力电池系统介绍
– 洪木南，博士，主任工程师，重庆长安汽车股份有限公司，电池开发所

Technical Progress and Suggestions of Power Battery Industry in China
– Wang Binggang, Director of Technical committee, China Industry Technology Innovation Strategic Alliance for Electric Vehicle
Aerodynamic consideration on thermal-management of EV-battery
– Mr. Shinri Muto, Expert/Japan
Power battery thermal management technology development experience
– Johannes Roessner, Power Battery Manager, TÜV SÜD China
The Research of Fire Safety for Lithium Battery
– Huang hao, Associate Researcher, Shanghai Fire Research Institute of MPS
Based on the scenario development and application of power battery safety of fire control system
– Zhang Manli, General manager, Hangzhou Zhongchuan in fire equipment co., LTD
Chery Automobile Power Battery System Introduction
– Zeng Xiangbing, Minister, Chery New Energy Automotive Technology Co., Ltd., Department of Battery Systems
High energy density liquid cooling Battery
– Zhao Jiuzhi, Technical director, Anhui Jianghuai Automobile Group Co., Ltd., new energy automotive research institute, battery department
Beijing Automobile Power Battery System Introduction
– Sheng Jun, Vice Minister, Beijing New Energy Automobile Co., Ltd., Battery Engineering Department
Changan Automobile Power Battery System Introduction
– Hong Munan, Doctor , Chief engineer, Chongqing Changan Automobile Co., Ltd, battery development

形式/Format

- 电池系统专题报告 40 分钟/组 Presentations by the speakers, 40 minutes each
- 互动讨论 Panel discussion（10min）

N03：汽车共享出行战略
Car Sharing and Transportation

时间及地点：10 月 25 日 13:00-17:30，上海汽车会展中心
Date & Venue: 13:00-17:30 Oct. 26, Shanghai Automobile Exhibition Center

协办单位：中国汽车工程学会 产业研究院
Co-organizer: Industry Research Institute, SAE

会议主席：王晓明 先生，国务院发展研究中心产业经济研究室主任/研究员

Chairperson: Mr. Wang Xiaoming, Director/ Researcher, Industrial Economics Laboratory, Development Research Center of the State Council

会议主席：冯锦山先生，中国汽车工程学会技术部部长
Chairperson: Mr. Feng Jinshan, Director, SAE-China

简介/ Introduction:

为推动未来汽车共享出行发展，深入探索和验证共享出行在城市交通体系、节能减排、技术经济性等领域的影响，本论坛聚焦于电动汽车共享出行新模式展开讨论，主要就电动汽车共享出行政策体系、电动汽车共享出行综合效益评估、电动汽车共享出行与可再生能源融合发展、电动汽车共享出行现状及发展前景、当前存在的问题等相关事项展开讨论。参会人员主要来自交通行业、地方城市、电动汽车分时租赁运营企业、高校及科研机构等。

This forum will focuse on the new model of Electric Car-sharing. Our purpose is promoting the development of Car-sharing in the future, In-Depth exploring and verifing the inpact of Car-sharing to City transport systems, Energy conservation and Emission reduction, Technical and economics. The topic includes Policy system, Car-sharing benefit assessment, the Integration development about Car-sharing &Renewable Energy , the Current Situation and Future Development, the current main problem about Car-sharing. The Participants will mainly come from the transportation industry, local cities, Car-Sharing leasing operations enterprises, universities and research institutions.

议题/Topics:

- 未来的交通体系及共享出行的潜在影响
- 汽车共享出行效果评估
- 汽车企业共享出行战略及出行生态系统的打造
- 电动汽车共享出行与可再生能源的融合发展
- 运营商汽车共享出行系统打造及大数据分析
- 小型电动汽车在相关领域/区域的共享化应用
- The potential impact about future transport systems to Car-sharing
- Car-sharing benefit assessment
- The strategy and ecosystem about Car-sharing
- The Integration development about Car-sharing &Renewable Energy
- Car-sharing system building and Large data analysis
- The use of small electric vehicles in related fields

演讲嘉宾/ Speakers

智能制造与共享出行新业态
– 王晓明 先生，国务院发展研究中心产业经济研究室主任/研究员
电动汽车分时租赁对城市出行的影响
– 叶建红 副教授，同济大学交通运输工程学院
EVCARD 分时租赁与可再生能源的融合发展
– 曹光宇 先生，环球车享汽车租赁有限公司总经理
传统汽车制造商战略转型暨新能源汽车推广商业模式探索与实践
– 刘金良 先生，浙江吉利控股集团副总裁
电动汽车共享出行
– 张君毅 先生，蔚来资本合伙人及投资委员会成员
奔驰 Car2Go 汽车共享项目全球战略及可再生能源的利用
– 蒋仁才 先生，戴姆勒大中华区投资有限公司对外事务和公共政策总监
滴滴：共享经济时代下的移动出行
– 冯馨 女士，滴滴政策研究院副院长
微型电动汽车共享出行对城市交通及环境优化之经验

– 巴齐 先生，CG 集团荣誉主席
电动汽车分时租赁发展现状与面临的挑战
– 赵健 先生，恒天易开软件科技有限公司首席战略官
A New Format About Intelligent Manufacturing and Car-sharing
– Mr. Wang Xiaoming, Director / Researcher, Industrial Economics Laboratory Of DRC
The Impact of Electric Car-sharing's on Urban Transportation System
– A/Prof. Ye Jianhong, College of Transportation Engineering, Tongji University
The Integration Development about EVCARD Car-sharing & Renewable Energy
– Mr. Cao Guangyu, General Manager of Chexiang Company Limited
Strategic Transformation of Traditional Auto Manufacturers-A New Business Model Exploration and Practice of Promoting New Energy Vehicles
– Mr. Liu Jinliang, Vice President of Geely Automobile
The Market of EV Car-sharing Analysis and Forecasting
– Mr. Zhang Junyi, Partner and Investment Committee of NIO Capital
The Global Strategy about Car2Go Car-sharing & The Use of Renewable Energy
– Dr. Jiang Rencai, Director, External Affairs & Public Policy - EA/C,Daimler Great China Ltd.
DIDI: Mobile Travel Under the Era of Sharing Economy
– Ms. Feng Xin, Vice Dean, Policy Research Institute In DIDI
Optimising Urban Traffic and Environment Through Micro Electric Car-sharing
– Mr. Alfredo Bacci, CS Group Honorary President
Development Status & Challenge About EV Car-sharing
– Mr. Zhao Jian, Chief Strategy Officer, EAKAY Hi-Tech Software Technology Co., Ltd.

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

N04：中日韩论坛-车用燃料电池技术
CJK Forum：Advanced Fuel Cell Technology for Vehicle Applications

时间及地点：10 月 26 日 08:30-11:40, 上海汽车会展中心
Date & Venue: 08:30-11:40, Oct. 26, Shanghai Automobile Exhibition Center

Moderator: Prof. Jianbo Zhang, Tsinghua University

演讲嘉宾/Speakers:

Honda's Efforts for FCV Development and Hydrogen Society
– Dr. Yosuke, Fujii, Honda Motor,
Fuel cell Research in Korea
– Prof. Sukkee Um, Hanyang University,
FCV Development in Hyundai
– Dr. Hyun Suk Choo, Hyundai Motor,
The future of FCEV in China – GWM Perspective
– Dr. Tobias Brunner, Great Wall Motor Company Limited
Fundamental Research to Speed up FCEV Commercialization
– Prof. Jianbo Zhang, Tsinghua University,
FCV Stack Technology Progress in China
– Dr. Pingwen Ming, Sunrise Power ,

互动讨论 Panel discussion:

Challenges and Opportunities of FCV Commercialization in Asia

形式/Format:

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（40min）

NT1：整车控制及能量管理
Vehicle Control and Energy Management

时间及地点：10 月 24 日 16:00-18:00, 上海汽车会展中心
Date & Venue: 16:00-18:00, Oct. 24, Shanghai Automobile Exhibition Center

会议主席：何洪文 教授，北京理工大学
Chairperson: Prof. He Hongwen, Beijing Institute of Technology

2017APAC-EV-033: Water-Cooled Condenser
— Mr. Isao Tamada, DENSO
邀请报告： How Smart Function & Software Enhance Powertrain Hardware Capability to Improve Clean Energy Efficiency
— 大陆
特邀报告：汽车夹层玻璃用中间膜 ——节能（隔热，隔音）
— 积水中间膜（苏州）有限公司
2017APAC-EV-004：自主纯电动客车的整车集成控制系统设计
— 顾晔 女士，东风商用车有限公司技术中心
2017APAC-EV-030：eBenefit: 一个促进 PHEV 进行纯电行驶的激励系统
— 杨傲驰，宝马（中国）服务有限公司
2017APAC-EV-065：基于新能源汽车运行监控数据的电池动态特性分析
— 刘建春 先生，中国汽车技术研究中心
2017APAC-EV-044：新能源整车网络管理设计及测试验证
— 蔡营 先生，东风汽车公司技术中心
2017APAC-EV-059：一汽插电式混合动力系统技术与创新
— 赵子亮 博士，中国第一汽车集团股份有限公司技术中心
2017APAC-EV-033: Water-Cooled Condenser
— Mr. Isao Tamada, DENSO
Invited Report: How Smart Function & Software Enhance Powertrain Hardware Capability to Improve Clean Energy Efficiency
— Continental
Invited Report: Interlayer Film for Car Laminated Glass - Energy Saving (Heat Insulation, Sound Insulation)
— SEKISUI Chemical Co., Ltd.
2017APAC-EV-004: Integrated Vehicle Control System Design for Autonomous Pure Electric Bus
— Ms. Gu Ye, Dongfeng Commercial Vehicle Technical Center
2017APAC-EV-030: eBenefit: An Incentive System to Promote Electric Driving with PHEV
— Adam YANG, BMW (China) Services Ltd.
2017APAC-EV-065: Research on Dynamic Characteristics of Power Battery Based on New Energy Vehicle Operation Monitoring Data
— Mr. Hendry, China Automotive Technology & Research Center
2017APAC-EV-044: The Design and Verification of CAN Network Management for Electric Vehicle
— Mr. Cai Ying, Dongfeng Motor Company Technology Center
2017APAC-EV-059: FAW Plug-in Hybrid System Technology and Innovation
— Dr. Zhao Ziliang, FAW Co., Ltd., R&D Center

NT2：电机及电驱动技术
Motor and E-Drive Technologies

时间及地点：10 月 26 日 10:30-11:45，上海汽车会展中心
Date & Venue: 10:30-11:45, Oct. 26, Shanghai Automobile Exhibition Center

会议主席：蔡蔚 博士，精进电动
Chairperson: Dr. Cai Wei, Jing-Jin Electric Technologies Co., Ltd.

特邀报告：舍弗勒
2017APAC-EV-040：基于混合动力车的永磁同步电机状态控制算法研究
— 段立华 女士，中国第一汽车股份有限公司技术中心
2017APAC-EV-063：四轮独立驱动电动汽车用轮毂电机振动负效应研究
— 李哲 先生，重庆大学
2017APAC-EV-028：电动汽车用电动机的多领域统一建模与测试
— 程雷 先生，郑州大学
2017APAC-EV-048：永磁同步电机定子不对称故障对电机性能及参数辨识的影响分析
— 谢非 先生，同济大学
邀请报告：Extraction of Quality Fuel from Mixed Plastic and its Performance and Emission Testing in CI Engine
— YUVRAJ JADHAV, College of Engineering, Pune
Invited Report: Schaeffler(TBD)
2017APAC-EV-040: Research of State Control on PMSM for HEV
— Ms. Duan Lihua, China First Automobile Works Group Corporation Research and Development Center
2017APAC-EV-063: Effect of Unbalanced Vertical Force of In-wheel Motor on Comfort and Stability in Four-wheel Drive Electric Vehicle
— Mr. Li Zhe, Chongqing University
2017APAC-EV-028: Modeling and Testing of Multi-field for Motor of Pure Electric Vehicle
— Mr. Cheng Lei, Zhengzhou University
2017APAC-EV-048: Analysis of Stator Asymmetry Faults Impact on Performance and Parameter Identification of PMSM
— Mr. Xie Fei, Tongji University
Invited Report: Extraction of Quality Fuel from Mixed Plastic and Its Performance and Emission Testing in CI Engine
— YUVRAJ JADHAV, College of Engineering, Pune

NT3：动力电池和纯电动汽车
Batteries and Electric Vehicles

时间及地点：10 月 26 日 13:00-15:00, 上海汽车会展中心
Date & Venue: 13:00-15:00, Oct. 26, Shanghai Automobile Exhibition Center

会议主席：卢兰光 博士，清华大学汽车安全与节能国家重点实验室高级工程师
Chairperson: Dr. Lu Languang, Senior Engineer, State Key Laboratory of Automotive Safety and Energy, Tsinghua University

联合主席：郑岳久 博士，上海理工大学
Co-chairperson: Dr. Zheng Yuejiu, University of Shanghai for Science and Technology

2017APAC-EV-036：锂离子电池热失控的研究：SOC，化学体系以及老化状态对于电池安全性能的影响
— 武鹏 先生，宝马（中国）服务有限公司
2017APAC-EV-009：车用锂离子电池膨胀石墨基硅碳复合负极材料制备技术
— 陈慧明 先生，中国第一汽车股份有限公司技术中心

2017APAC-EV-019：基于相变材料与液冷的电池包复合热管理研究
— 隋杨 先生，上海工程技术大学
2017APAC-EV-041：电动汽车电池包液冷模组数值仿真及结构优化
— 王晓松 先生，国联汽车动力电池研究院有限责任公司
2017APAC-EV-024：石墨烯结构对锂离子电池性能影响的研究
— 韩建 先生，中国第一汽车股份有限公司技术中心
2017APAC-EV-036: A Study on Thermal Runaway of Commercial Lithium-ion Cells: Influence of SOC, Cell Chemistry and Ageing Status on Safety Performance
— Mr. Wu Peng, BMW China Services Ltd.
2017APAC-EV-009: Preparation Technology of Silicon-Carbon Composite Anode Material Based on Expanded Graphite for Lithium Ion Battery for Vehicle
— Mr. Chen Huiming, China FAW Group Corporation R&D Center
2017APAC-EV-019: Development of Thermal Management System of Battery Pack Using Conjugated Pcm and Liquid-cooling Techniques
— Mr. Sui Yang, Shanghai University of Engineering Science
2017APAC-EV-041: Numerical Simulation and Structure Optimization on the Liquid Cooling Battery Pack Module for Electric Vehicle
— Mr. Wang Xiaosong, China Automotive Battery Research Institute Co., Ltd.
2017APAC-EV-024: Study on the Effect of Graphene Structure on the Performance of Lithium Ion Batteries
— Mr. Han Jian, China FAW Corporation Limited R&D Center

NT4：混合动力汽车及动力系统
Hybrid Electric Vehicle and Powertrain

时间及地点：10 月 26 日 08:30-10:30, 上海汽车会展中心
Date & Venue: 08:30-10:30, Oct. 26, Shanghai Automobile Exhibition Center

主席：汪正胜 先生，重庆长安汽车股份有限公司
Chairperson: Mr. Wang Zhengsheng, Chongqing Changan Automobile Co., Ltd.

邀请报告：High-performance Dedicated Hybrid Transmission for Future Plug-in Hybrid Drives
— Joerg Mueller 博士, IAV GmbH
2017APAC-HY-015：基于李雅普诺夫的串联混合动力 APU 反馈控制
— 洪木南 博士, 重庆长安汽车股份有限公司
2017APAC-HY-016：串联混合动力履带车驱动系统硬件在环平台研究
— 刘超 先生, 北京理工大学
2017APAC-HY-017：增程式电动车发动机-发电机组的动态建模与协调控制
— 周维 博士, 湖南大学
2017APAC-HY-008：IPG Automotive Real Driving on the Engine Test Bench
— Jochen Petters 先生，IPG Automotive GmbH
2017APAC-HY-003，Simulation Research on Driving Mode Switching of Parallel Hybrid Electric Vehicle
— jin lijiang，镇江市高等专科学校

Invited Report: High-Performance Dedicated Hybrid Transmission for Future Plug-in Hybrid Drives
— Dr. Joerg Mueller, IAV GmbH
2017APAC-HY-015: Lyapunov based Feedback Control of Auxiliary Power Unit for Series Hybrid Electric Vehicles
— Dr. Hong Munan, Chongqing Changan Automobile Co., Ltd.
2017APAC-HY-016: Hardware-in-loop Simulation Platform for Powertrain System in Series Hybrid Electric Tracked Vehicles
— Mr. Liu Chao, Beijing Institute of Technology

2017APAC-HY-017: Dynamic Modeling and Coordinate Control for an Engine-Generator Set Used in Extended Range Electric Vehicle

- Dr. Zhou Wei, Hunan University

2017APAC-HY-008: IPG Automotive Real Driving on the Engine Test Bench

- Mr. Jochen Petters, IPG Automotive GmbH

2017APAC-HY-003, Simulation Research on Driving Mode Switching of Parallel Hybrid Electric Vehicle

- jin Lijiang, zhenjiang college

动力总成、环保技术相关议题

Sessions on Powertranin & Environmental Protection

1. 高效清洁车用内燃机技术
   High Efficiency and Clean Automotive IC Engine Technology
2. 先进汽油机技术
   Advanced Gasoline Engine Technology
3. 发动机排放控制技术
   Emission and Control Technology and Alternative Fuel
4. 燃料与润滑油
   Fuel and Lubricants
5. 先进柴油机及零部件技术
   Advanced Diesel Engine and Component Technology
6. 发动机电控测试仿真及可靠性
   Engine electronic control test simulation and reliability
7. 变速器及传动关键技术
   Transmission Technology
8. 车内污染物测试方法与控制技术交流
   Vehicle Pollutant Test Method and Control Technology

C01：高效清洁车用内燃机技术
High Efficiency and Clean Automotive IC Engine Technology

时间及地点：10 月 24 日 13:30-18:00，上海汽车会展中心
Date & Venue: Oct. 24 13:30-18:00, Shanghai Automobile Exhibition Center

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

会议主席：李理光 教授，同济大学汽车学院，
Chairperson: Prof. Li Liguang, Tongji University, School of Automotive Studies

联合会议主席：郑明教授，加拿大温莎大学高效清洁燃烧实验室主任
Co-chairperson: Prof. Zheng Ming, Univ. of Windsor, Chair of High Efficiency Clean Combustion Laboratory

简介/ Introduction:

高效清洁车用内燃机是当前和未来几十年车用动力系统节能减排的重点和关键。近年来，由于 CO2 减排的要求，车用内燃机提高效率的各种技术日新月异，产品发动机的有效效率也高达 40%以上，特别在 GDI 与高效燃烧新概念，燃烧控制技术，摩擦副及润滑油间磨，排放控制和试验手段等不断取得新发展。在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。

High Efficiency and Clean Internal Combustion Engine for Automobile powertrain will play key important role on energy conservation and low emissions in the current and future decades. In the last decade, the new technologies on the improvement of IC engines developed day by day due to the CO2 regulations. The effective efficiency for new gasoline product engine is over 40% since 2016, especially on the GDI and new concept for high efficiency combustion, combustion process control, low friction oils and emission control technology. This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/ Topics:

- 高效燃烧新概念与燃烧控制技术
- 低摩擦材料表面与润滑油技术
- 先进发动机试验标准与标定技术
- 面向国六法规的重型车发动机开发
- New Combustion Concept and Engine Combustion Control
- Advanced Materials and Surface Engineering, low friction lubricansts
- Advanced Testing and Engine Calibration
- Development for Heavy Duty Engine to Meet China IV

演讲嘉宾/ Speakers

超过 40%热效率的丰田发动机技术
– 中田浩一 先生，丰田汽车
超清洁发动机燃烧的效率改善
– 郑明 教授，加拿大温莎大学
满足欧洲/中国 6 阶段排放法规的重型柴油机燃烧策略
– 尧命发 教授，天津大学
代用燃料-降低 CO2 的另一种选择
– 沈源 博士，吉利汽车
先进动力系统对汽车摩擦和磨损的影响：先进材料和表面工程的效果
– Victor W Wong 教授，MIT
动力系统预测-发动机燃烧如何从整车的通讯技术中获益
– Jakob Andert 教授，RWTH Aachen University

追求完美-发动机标定分析技术
— 刘传李 博士，GM
欧洲润滑油试验概况
— Tono Nasch 博士，ISP
中国自主柴油发动机润滑油规格标准开发的进展介绍
— 谢惊春 先生，中石油昆仑润滑油兰州研发中心
东风重型柴油机研发
— 刘正白 博士，东风商用车技术中心
一汽新一代重型柴油机技术开发
— 李康 博士，一汽技术中心
Engine Technologies to Achieve Over 40% Thermal Efficiency in Toyota
— Mr. Koichi Nakata, Toyota Corporation
Efficiency Improvement of Ultra-clean Engine Combustion
— Prof. Zheng Ming, University of Windsor
Combustion Strategies to Meet Euro/China 6 Stage Emission Regulation for HD Diesel Engines
— Prof. Yao Mingfa, Tianjin University
Alternative Fuel-One Way to Reduce the CO2
— Dr. Shen Yuan, Geely Automotive Group
Impact of Advanced Powertrain Technology on Automotive Friction and Wear: Effects of Advanced Materials and Surface Engineering
— Prof. Victor W Wong, MIT
The Predictive Powertrain-how the Combustion Engine Can Benefit from Vehicle-to-X Communication Technology
— Prof. Jakob Andert, RWTH Aachen University
Pursue Perfection: Analysis Technology in Engine Calibration
— Dr. Liu Chuanli, GM
The Scenario of Oil Testing in Europe
— Dr. Tono Nasch, ISP
Development for China Domestic Diesel Engine Oil Specification
— Mr. Xie Jingchun, PetroChina Lanzhou Lubricating Oil R&D Institute
Development for the Heavy Duty Diesel Engine of Dongfeng Group
— Dr. Liu Zhengbai, R&D, Dongfeng Group
Development for the New Generation of Heavy Duty Engine of FAW
— Dr. Li Kang, R&D，FAW

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

CT1：先进汽油机技术
Advanced Gasoline Engine Technology

时间及地点：10 月 25 日 08:30-15:30，上海汽车会展中心
Date & Venue: 08:30-15:30 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：李理光 教授，同济大学
Chairperson: Prof. Li Liguang, Tongji University

联合主席：帅石金 教授，清华大学
Co-chairperson: Prof. Shuai Shijin, Tsinghua University

邀请报告：直喷汽油机燃烧系统正向开发技术研究

— 陈炜，江淮动力
2017APAC-IEE-016：Lp Egr Influence on Performance of Turbocharged Direct Injection Gasoline Engine
— Narendra Purania 先生，吉利动力总成研究院
2017APAC-IEE-004：基于电子水泵的冷启策略研究
— 林承伯 先生，广州汽车集团股份有限公司汽车工程研究院
2017APAC-IEE-074：米勒循环增压汽油机早燃问题改善研究
— 叶伊苏，东风汽车公司技术中心
2017APAC-IEE-011：汽油发动机停缸技术研究
— 马金强 先生，宁波吉利动力总成研究院
2017APAC-IEE-036：基于 CVVL 系统的增压直喷发动机进气充量控制方法研究
— 韩本忠 先生，联合汽车电子有限公司
邀请报告：Numerical Evaluation on the Output Characteristics of Gasoline and LPG Direct Injection Spark Ignition Engines
— Seung Yeob Lee 先生，Korea University

Invited Report: Development of Combustion System for GDI Engine
— Chen Wei, JAC
2017APAC-IEE-016: Lp Egr Influence on Performance of Turbocharged Direct Injection Gasoline Engine
— Mr. Narendra Purania, Zhejiang Geely Powertrain Research Institute
2017APAC-IEE-004: The Study of Vehicle Warm-up Strategy with Electric Water Pump
— Mr. Lin Chengbo, Guangzhou Automobile Group Co., Ltd., Automotive Engineering Institute
2017APAC-IEE-074: Study of Improvement for Pre-ignition in a Turbo-charged Gasoline Engine with Port Injection and Miller Cycle
— Ye Yisu, Dongfeng Motor Corporation Technical Centre
2017APAC-IEE-011: The Research of Cylinder Deactivation Technology on Gasoline Engine
— Mr. Ma Jinqiang, Geely Powertrain Research Institute
2017APAC-IEE-036: Study of Intake Charge Control Method on Tgdi Engine with Cvvl System
— Mr. Benzhong Han, United Automotive Electronic Systems Co., Ltd.
Invited Report: Numerical Evaluation on the Output Characteristics of Gasoline and LPG Direct Injection Spark Ignition Engines
— Mr. Seung Yeob Lee, Korea University

会议主席：于秀敏 教授，吉林大学
Chairperson: Prof. Yu Xiumin, Jilin University

联合主席：姚春德 教授，天津大学
Co-chairperson: Prof. Yao Chunde, Tianjin University

邀请报告：现代发动机（汽油直喷和涡轮增压直喷）和排放系统对未来燃料和润滑油要求的影响
— 董静宇 博士，美国润滑油高级资深专家
2017APAC-IEE-022：一汽 1.4L 直喷增压汽油机开发
— 吴乃鹏 先生，一汽技术中心
2017APAC-IEE-043：可变进气滚流技术对增压直喷发动机油耗及排放影响的研究
— 马为 先生，重庆长安汽车股份有限公司
2017APAC-IEE-010：汽油机低压 EGR 系统设计：风险和预防措施
— 旷云龙 先生，浙江吉利动力总成研究院
2017APAC-IEE-025：壁面引导型 GDI 多次喷射方式对缸内碳烟形成影响的可视化研究
— 陈泓 博士，广州汽车集团股份有限公司汽车工程研究院
邀请报告：插电式氢混合燃料汽车的研究与开发
— 纪常伟 教授，北京工业大学

邀请演讲：点燃式发动机异常燃烧现象的光学分析
— 李志峰 先生，声运技术有限公司技术总监

Invited Report: The Impact of Modern Engine (Gasoline Direct Injection or Turbo-charged Direct Injection, GDI or TGDI) and Emission System on Future Fuels and Lubricants Requirements
— Dr. Simon C. Tung, Tung Innovation Technology Consulting Inc.
2017APAC-IEE-022: Development of Faw 1.4l Turbocharged Gasoline Direct Injection Engine
— Wu Naipeng, China FAW R&D Center
2017APAC-IEE-043: Variable Intake Charge Motion Technology Research on GDI Engine Fuel Consumption and Emissions
— Mr. Ma Wei, Chongqing Changan Automobile Co., Ltd.
2017APAC-IEE-010: Gasonline Engine Low Pressure Egr System Design Risks and Mitigation
— Mr. Kuang Yunlong, Zhejiang Geely Powertrain Research Institute
2017APAC-IEE-025: Effects of different GDI combustion systems on soot emission for the catalyst heating point
— Dr. Chen Hong, Guangzhou Automobile Group CO., LTD Automotive Engineering Institute
Invited Report: Research and Development of a Plug-in Hybrid Hydrogen Vehicle(PHHV)
— Prof. Ji Changwei, Beijing University of Technology
Invited Report: Analysis of the Flame Radiation in SI Engines for Abnormal Combustion Phenomena
— Mr. Li Zhifeng, Sonus Technologies

CT2：发动机排放控制技术
Emission and Control Technology and Alternative Fuel

时间及地点：10 月 25 日 16:00-18:00，上海汽车会展中心
Date & Venue: 16:00-18:00 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：葛蕴珊 教授，北京理工大学
Chairperson: Prof. Ge Yunshan，Beijing Institute of Technology

联合主席：颜伏伍 教授，武汉理工大学
Co-chairperson: Prof. Yan Fuwu, Wuhan University

邀请报告：满足国六标准的轻型车排放控制技术
— 刘征博士，中自环保科技股份有限公司
2017APAC-IEE-085：柴油车尾气脱硝用铜基小孔分子筛催化剂的制备及应用研究
— 于力娜 女士，中国第一汽车股份有限公司技术中心
2017APAC-IEE-028：The Effect of Driving Cycle and Shifting Pattern on Vehicle Emissions
— Zhang Ni，东风汽车公司技术中心
2017APAC-IEE-083：失火检测的研究
— 刘廷伟 先生，中国第一汽车股份有限公司技术中心
2017APAC-IEE-053：VCM 技术对小排量增压直喷汽油机起燃工况颗粒物排放的影响研究
— 刘寅童 博士，重庆长安汽车股份有限公司
2017APAC-IEE-109：中国典型城市车辆行驶特征研究
— 汪洋 先生，中国汽车技术研究中心
2017APAC-IEE-027：整体式 Cu-ZSM-5 蜂窝催化剂开发研究
— 韩建 先生，中国第一汽车股份有限公司技术中心
邀请报告：三菱电机面向中国国 VI 排放标准的解决方案
— 杨峥嵘 先生，三菱电机汽车部件（中国）有限公司北京分公司副总经理

Invited Report: China-VI Emission Control After Treatment Technology of Light Duty Vehicles
— Dr. Liu Zheng, Sinocat Environmental Technology Co., Ltd.

2017APAC-IEE-085: Preparation and Application of Copper-Based Small Pore Molecular Catalysts for Disel Vehicle

— Ms. Lina Yu, China FAW Corporation Limited R&D Center, China

2017APAC-IEE-028: The effect of driving cycle and shifting pattern on vehicle emissions

— Zhang Ni, Dongfeng motor corporation technical center

2017APAC-IEE-083: A Study of Misfire Detection

— Ms. Liu Tingwei, China FAW Corporation Limited R&D Center

2017APAC-IEE-053: Influences of VCM on the Particle Emissions of Cold-start and Light-off Conditions in Downsized Turbo-charged GDI Engine

— Dr. Liu Yintong, Chongqing Changan Automobile Co., Ltd.

2017APAC-IEE-109: Research on Vehicle Driving Characteristics of Chinese Typical Cities

— Mr. Wang Yang, China Automotive Technology and Research Center

2017APAC-IEE-027: Research and Development of Cu-Zsm-5 Monolithic Extruded Honeycomb Catalyst

— Mr. Han Jian, China FAW Corporation Limited R&D Center

Invited Report: MELCO Efforts to Regulation China VI Exhaust Gas

— Mr. Yang Zhengrong, Vice President of Beijing Branch, Mitsubishi Electric Automotive (China) Co., Ltd.

CT3：燃料与润滑油
Fuel and Lubricants

时间及地点：10 月 26 日 08:30-10:00，上海汽车会展中心
Date & Venue: 08:30-10:00 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：姚春德 教授，天津大学
Chairperson: Prof. Yao Chunde, Tianjin University

联合主席：Arun Sampath 博士，The Automotive Research Association of India
Co-chairperson: Dr. Arun Sampath, The Automotive Research Association of India

2017APAC-IEE-091：Fuel Economy Test Development for MD/HD Diesel Engines; Methodology and Experience

— John Sparrow 先生，Intertek Automotive Research

2017APAC-IEE-055：发动机油对重负荷柴油机燃油经济性和耐久性的影响

— 朱雅男 女士，中国第一汽车股份有限公司技术中心

2017APAC-IEE-A012：A Numerical Study on the Combustion Performance According to the Ignition Time in Various Driving Conditions of LPG Direct Injection Engine

— Gyeongjin Youn 先生，Department of Mechanical Engineering, Korea University

2017APAC-EV-067：Production and Engine Performance & Emission Evaluation of Karanja & Jatropha Based Biodiesel

— Arun Sampath 博士，The Automotive Research Association of India

2017APAC-IEE-107：中国自主柴油机油规格开发进展介绍

— 谢惊春 先生，中国石油兰州润滑油研究开发中心

2017APAC-IEE-072：中国国 5 汽油车满足美国 ULEV70 尾气排放要求的技术研究

— 方娜 女士，东风汽车公司技术中心

2017APAC-IEE-091: Fuel Economy Test Development for MD/HD Diesel Engines; Methodology and Experience

— Mr. John Sparrow, Intertek Automotive Research.Intertek

2017APAC-IEE-A012: A Numerical Study on the Combustion Performance According to the Ignition Time in Various Driving Conditions of LPG Direct Injection Engine

— Mr. Gyeongjin Youn, Department of Mechanical Engineering, Korea University

2017APAC-IEE-055: Effect of Engine Oil on Fuel Consumption and Durability of Heavy Duty Vehicle

— Ms. Zhu Yanan, China FAW Corporation Limited R&D Center

2017APAC-EV-067: Production and Engine Performance & Emission Evaluation of Karanja & Jatropha Based Biodiesel

— Dr. Arun Sampath, The Automotive Research Association of India

2017APAC-IEE-107: Introduce the Progress of Development for the China Domestic Diesel Engine Oils Specification

— Mr. Xie Jingchun, PetroChina Lanzhou Lubricating Oil R&D Institute

2017APAC-IEE-072: Technical Research on CN 5 light duty Gasoline Vehicles to Meet the Emission Standard of ULEV70

— Ms. Fang Na, DongFeng Motor Corporation Technical Center

CT4：先进柴油机及零部件技术
Advanced Diesel Engine and Component Technology

时间及地点：10 月 26 日 10:00-11:55，上海汽车会展中心
Date & Venue: 10:00-11:55 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：李康 博士，中国第一汽车股份有限公司技术中心
Chairperson: Dr. Li Kang, China FAW Co.Ltd R&D Center

联合主席：尧命发 教授，天津大学
Co-chairperson: Prof. Yao Mingfa, Tianjin University

邀请报告：高效内燃机兰金循环发动机燃烧技术

— 吴志军 教授，同济大学

2017APAC-IEE-095：二级可调增压柴油机高海拔性能模拟研究

— 张众杰 博士，军事交通学院

2017APAC-IEE-071：渗陶处理对柴油机缸套摩擦学性能影响的研究

— 李文平 博士，中国第一汽车股份有限公司技术中心

2017APAC-IEE-A004：柴油发动机应用中的节能减排技术

— 邓建光 先生，电装(中国)投资有限公司

2017APAC-IEE-044：具有不同 LP/HP 增压比的二级增压柴油机性能仿真研究

— 李凤鸣 先生，北京理工大学

2017APAC-IEE-057：基于 Simulink 和 AMESim 联合仿真的热管理控制开发

— 张贵铭 先生，中国第一汽车股份有限公司技术中心

2017APAC-IEE-101：某增压发动机辅助冷却系统设计开发研究

— 张丽珠 女士，东风汽车公司技术中心

Invited Report: Technology for High Efficiency Combustion Rankin Cycle Engine

— Prof. Wu Zhijun, Tongji University

2017APAC-IEE-095: Simulation on High-altitude Performance of Regulated Two-Stage Turbocharged Diesel Engine

— Dr. Zhang Zhongjie, Military Transportation University

2017APAC-IEE-071: Tribological Performance of Advanced Cylinder Bore with Ceramic Coating in Diesel Engine

— Dr. Li WenPing, China FAW Corporation Limited R&D Center

2017APAC-IEE-A004: Technologies supporting Emission and CO2 Improvement

— Mr. Deng Jianguang, DENSO(China) Investment Co., Ltd.

2017APAC-IEE-044: Simulation of the performance of two-Stage turbocharged diesel engine with different LP/HP pressure ratios

— Mr. Li Fengming, Beijing Institute of Technology

2017APAC-IEE-057: Thermal Management Strategy Development Based on Simulink & AMESim Co-Simulation

— Mr. Zhang Guiming, China FAW Corporation Limited R&D Center
2017APAC-IEE-101: Research on Design and Development of a Supercharger Auxiliary Cooling System
— Ms. Zhang Lizhu, The Technology Centre of Dongfeng Motor Corporation

CT5：发动机电控测试仿真及可靠性
Engine electronic control test simulation and reliability

时间及地点：10 月 26 日 13:30-15:10，上海汽车会展中心
Date & Venue: 13:30-15:10 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：许敏 教授，上海交通大学
Chairperson: Prof. Xu Min, Shanghai Jiaotong University

联合主席：杨福源 教授，清华大学
Co-chairperson: Prof. Yang Fuyuan, Tsinghua University

邀请报告：基于控制的未来柴油机开发
— Peter van Gompel 博士，TNO, Neatherland
2017APAC-IEE-007：The Simulation and Experiment Studies on Sealing Performance Improvement of a Multi-Layer Steel Cylinder Head Gasket
— Huang Fengqin，东风汽车公司技术中心
2017APAC-IEE-042：Fuel Consumption Contribution Research on Map-controlled VDOP and PCJ by Simulation
— Wu Lifen，长安汽车股份有限公司动力研究所
2017APAC-DT-128：基于发动机转角的实时仿真在硬件在环测试中的应用
— 夏菲泓，德国亚琛工业大学内燃机研究所
2017APAC-IEE-106：Extraction of Quality Fuel from Mixed Plastic Waste and its Performance and Emission Testing in CI Engine
— AMOL KULKARNI，印度浦那工程学院
2017APAC-IEE-024：Durability Analysis and Optimization of Gasoline Turbine Engine Exhaust Hot End
— Li Xiangwang，东风汽车公司

Invited Report: Model-based Control Development for Future Diesel Engines
— Dr. Peter van Gompel, TNO, Neatherland
2017APAC-IEE-007: The Simulation and Experiment Studies on Sealing Performance Improvement of a Multi-Layer Steel Cylinder Head Gasket
— Huang Fengqin, Dongfeng Motor Corporation Technical Center
2017APAC-IEE-042: Fuel Consumption Contribution Research on Map-controlled VDOP and PCJ by Simulation
— Wu Lifen, Power train Research Institute, Chang'an Automobile Co., Ltd., Chongqing
2017APAC-DT-128: Crank Angle Resolved Real-Time Engine Modeling for Hil Based Component Testing
— Feihong Xia, Institute for Combustion Engines, RWTH Aachen University
2017APAC-IEE-106: Extraction of Quality Fuel from Mixed Plastic Waste and its Performance and Emission Testing in CI Engine
— AMOL KULKARNI, ARAI, PUNE, INDIA
2017APAC-IEE-024: Durability Analysis and Optimization of Gasoline Turbine Engine Exhaust Hot End
— Li Xiangwang, Dongfeng Motor Corporation

CT6：变速器及传动关键技术
Transmission Technology

时间及地点：10 月 25 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：徐向阳 教授，北京航空航天大学
Chairperson: Prof. Xu Xiangyang, Beihang University

主旨报告：新能源汽车用自动变速器的现状与研究实践
— 陈勇 教授，河北工业大学新能源汽车研究院院长
邀请报告：双离合变速器助力低碳出行 – 竞品分析及技术展望
— 麦格纳
2017APAC-TT-009：通过调速优化电动汽车 AMT 的换挡品质
— 庞博 先生，吉林大学
邀请报告：手动混合动力变速器的模块化升级
— 麦格纳
邀请报告：Predictive Maintenance (PdM) for Vehicle Transmissions
— Klaus von Rüden 博士，IAV GmbH
2017APAC-TT-008：基于磷酸锰涂层表面改性的自动变速器齿轮疲劳特性试验研究
— 臧立彬 博士，河北工业大学
2017APAC-TT-013: Electro-Hydraulic Wet Clutch Transmission System for Agricultural Tractors
— Velmurugan M A, Tractors and Farm Equipment Ltd
2017APAC-TT-011：纯电动汽车用变速器的同步器换挡性能研究
— 李光鑫，河北工业大学
邀请报告：Electronic Vehicle Inversion Control Design and Calibration for Farm Vehicle
— Velmurugan M A, Tractors and Farm Equipment Ltd.
Subject Report: Present Situation and Research Practice of Automatic Transmission for New Energy Vehicles
— Prof. Chen Yong, Department Head, New Energy Vehicle Research Institute, Hebei University of Technology
Invited Report: CO2 Potentials of DCTs – Competition Benchmark and Technology Outlook
— Magna
2017APAC-TT-009: Shift Quality Improvement of Electric Vehicles with AMT by Speed Regulation
— Mr. Pang Bo, Jilin University
Invited Report: Powertrain -A modular upgrade Path for hybridized Manual Transmissio
— Magna
Invited Report: Predictive Maintenance (PdM) for Vehicle Transmissions
— Dr. Klaus von Rüden, IAV GmbH
2017APAC-TT-008: Influence of Surface Manganous Phosphate Conversion Coating on Fatigue Performance of Automatic Transmission Gears
— Dr. Zang Libin, Hebei University of Technology
2017APAC-TT-013: Electro-Hydraulic Wet Clutch Transmission System for Agricultural Tractors
— Velmurugan M A, Tractors and Farm Equipment Ltd.
2017APAC-TT-011: Synchronizer Shift Performance Study in an Electric Vehicle Transmission
— Li Guangxin, Hebei University of Technology
Invited Report: Electronic Vehicle Inversion Control Design and Calibration for Farm Vehicle
— Velmurugan M A, Tractors and Farm Equipment Ltd.

C02：车内污染物测试方法与控制技术
Vehicle Pollutant Test Method and Control Technology

时间及地点：10 月 25 日 08:30-15:40，上海汽车会展中心
Date & Venue: 08:30-15:40 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：葛蕴珊 教授，北京理工大学机械与车辆工程学院
Chairperson: Prof. Ge Yunshan, School of Mechanical and Vehicular Engineering, Beijing Institute of Technology

联合会议主席：杨旭东 教授，清华大学建筑学院建筑技术科学系

Co-chairperson: Prof. Yang Xudong, Department of Architecture and Technology, School of Architecture, Tsinghua University

简介/ Introduction:

为响应国家对汽车行业环保安全发展的要求，推动车内污染物测试技术发展，提高行业测试水平，深入探索和验证车内污染物控制技术的应用性，基于行业层面的车内污染物的控制研究一直在开展，国家层面的车内污染物法规也在积极的制定和修订，我们更加关心整车和零部件污染物的测试方法之间是否匹配？如何快速准确的寻找车内污染物的源头？怎么有效的削减车内污染物释放水平？如何更好的平衡车内污染物水平与汽车制造成本？怎么将车内污染物控制加入到汽车正向设计中去？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 response to the national requirements for the development of environmental protection and safety of the automotive industry, promote the development of vehicle pollutant testing technology, study and verify the applications of vehicle pollutant control technology, Research on vehicle pollutant control has been carried out, the national level regulations of pollutants in the car are also developed and revised actively, Do the pollutant testing methods of vehicle and parts of matched? How to quickly and accurately find the source of pollutants inside the car? How to effectively reduce the level of pollutants in the car? How to better balance the level of pollutants in the car and car manufacturing costs? How to design a car with lower pollutants inside positively? This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- 法规动态：国标 GB27630 及车内零部件及材料污染物测试方法修订制定进展
- 研究热点：车内异味污染物溯源方法、车内污染物削减思路及方式、车内污染物在线快速检测技术及其应用研究
- 示范案例：整车企业车内污染物的检测与控制；试验室管理经验分享；车内污染物的削减与车内环境的改善；车内净化系统改善车内环境等
- 绿色技术：低 VOC 材料等
- Regulations dynamic: GB 27630 and Determination of Volatile Organic Compounds
- Research hotspot: the vehicle odor traceability method, the vehicle air pollutant reduction methods, the on-line rapid detection technology of vehicle pollutants
- Demonstration case: vehicle pollutant detection and control; Laboratory management experience sharing; Vehicle pollutant reduction and improvement of the car environment; Vehicle indoor purification system etc
- Green technology: Low emission materials

演讲嘉宾/ Speakers

领导致辞：王铁 先生，中国汽车技术研究中心汽车试验研究所副所长
GB27630 标准编制进展
– 葛蕴珊 教授，北京理工大学
欧洲车内空气质量测试标准动态
– Michael Hozward 先生，Imat-uve GmbH
车内空气质量预评价模拟方法
– 高鹏 教授，清华大学
车内气味的化学计量学分析与预测
– 刘伟 博士，中国汽车技术研究中心数据资源中心技术总监
车内空气质量快速检测-兼顾速度与准确性的探索
– 李晓健 博士，中国汽车技术研究中心汽车试验研究所（国家轿车质量监督检验中心），车内空气质量平台总监
Title TBD
– 西格弗里德·普朗 博士, V&F Analyse-und Messtechnik GmbH

整车挥发性有机物溯源分析与管控
- 余梅玲 女士，神龙汽车有限公司，技术中心材料技术专家

正向设计及异味排查方法
- 李俊贤 先生，北京汽车股份有限公司汽车研究院，内外饰部 非金属工艺科科长，高级经理

车内空气质量提升策略
- 傅强 先生，长安汽车工程研究院

整车空气质量控制
- 李彦军 先生，一汽大众汽车有限公司，材料主管

基于 VOC、气味散发特性的整车控制方案
- 黄家奇 先生，安徽江淮汽车集团股份有限公司，材料工程部 技术总监

Address by Tatc Leaders: Mr. Wang Tie, Deputy Director, China Automotive Technology and Research Center Automobile Test Research Institute

Progress in the preparation of GB 27630
- Prof. Ge Yunshan, Beijing Institute of Technology

Vehicle Air Quality Testing Regulations Dynamic in European
- Mr. Michael Hozward, Imat-uve GmbH

Pre-estimation Simulation Method for Cabin Air Quality
- Prof. Gao Peng, Tsinghua University

Chemometric Analysis and Prediction of Vehicle Odors
- Dr. Liu Wei, Technical Director, Auto Data Center, China Automotive Technology and Research Center

Fast Testing of VIAQ—Exploration for Both Test Rate and Accuracy
- Mr. Li Xiaojian, Director of VIAQ Platform, China Automotive Technology Research Center Automobile Test Institute

Title TBD
- Dr. Siegfried Praun, V&F Analyse-und Messtechnik GmbH

Source-tracing Analysis and Reducing of VOC in VIAQ
- Ms. Yu Meiling, Material Expert, Dongfeng Peugeot Xitroen Automobile Co., Ltd.

Forward Design and Odor Detection Methods
- Mr. Li Junxian, Senior manager, Interior and Exterior Trim Department Non-metal Technology Section, BAIC Motor Corporation., Ltd Automobile Research Institute

Vehicle Interior Air Quality Improvement Strategy
- Mr. Fu Qiang, Changan Automotive Engineering Research Institute

In Car Air Quality Control in FAW-VW
- Mr. Li Yanjun, Material Director, Faw-volkswagen Automobile Co., Ltd.

Control Strategy Based on Vehicle Emission Characteristics
- Mr. Huang Jiaqi, Technology Director, Materials Engineering Department, Anhui Jianghuai Automobile Group Corp., Ltd.

形式/Format

- 技术演讲 25 分钟/人 Presentations by the speakers, 25 minutes each

轻量化和材料相关议题

Sessions on LW

1. 汽车用铝合金
   Aluminum Alloy for Automobile
2. 2017中国轻量化车身会议
   2017 Lightweight Car body Conference
3. 汽车用碳纤维复合材料
   Carbon Fiber Composites
4. 车轻量化工艺与材料
   New Materials and Lightweight Technologies
5. 汽车轻量化设计
   Vehicle Lightweight Design

L01：汽车用铝合金
Aluminum alloy for automobile

时间及地点：10 月 24 日 13:30-15:30，上海汽车会展中心
Date & Venue: 13:30-15:30, Oct. 24, Shanghai Automobile Exhibition Center

会议主席：杨洁 先生，中国汽车工程学会轻量化研究部部长，汽车轻量化技术创新战略联盟副秘书长
Chairperson: Mr. Yang Jie, Director of Lightweight research department of SAE-China, Deputy secretary general of China Auto Lightweight Technology Innovation Strategic Alliance

协办单位：汽车轻量化技术创新战略联盟
Co-organizer: China Auto Lightweight Technology Innovation Strategic Alliance

简介/ Introduction:

铝合金、镁合金作为金属材料，在越来越多的领域发挥其作用，尤其近年来，随着汽车轻量化技术的发展，其应用逐渐成为市场热点。本次专题分会主要分享汽车用低成本、高性能铝镁合金的开发理念、研发进展和应用案例。邀请相关领域的专家围绕汽车用镁铝合金材料、工艺、设计、性能评价和中长期发展建议展开专题演讲。

As a metal material, aluminum alloys and magnesium alloys play an important role in more and more fields. Especially in recent years, with the development of automotive lightweight technology, its application has gradually become a hot market. This special section mainly shares the development philosophy, research and development and application cases of low cost and high-performance aluminum magnesium alloys for automobiles. Experts from related fields are invited to make presentations on the automotive magnesium aluminum alloy materials, processes, designs, performance evaluation and medium and long term development proposals.

议题/Topics:

- 铝合金在汽车关键零部件的应用及性能评价
- 铝合金链接技术
- 铝合金车身的开发
- Application and Performance Evaluation of Aluminum Alloy in Automobile Key Parts
- Aluminum alloy joining technology
- Development of aluminum alloy body

演讲嘉宾/ Speakers

铝合金特点与框架式车身开发
— 刘波 博士，重庆长安汽车股份有限公司，商用车研究院内外饰部副经理
汽车底盘关键零部件用铝合金材料
— 张海 教授，苏州大学
铝合金在未来新能源汽车的应用
— 熊飞 博士，长江简式汽车副总经理
铝合金电阻焊的挑战和解决方案
— 孙亮 先生，尼玛克焊接技术（北京）有限公司
锁铆铆接--铝合金车身制造铆接 4.0 解决方案
— 王云庆 先生，一浦莱斯精密技术(深圳)有限公司总工程师，总裁

Aluminum Alloy Features and Frame Type Body Development
— Dr. Liu Bo, Deputy Manager of the Interior and Exterior Dept., Changan Auto
Aluminum Alloy Material for Key Parts of Automobile Chassis
— Prof. Zhang Hai, Su Zhou University
Application of New Energy Vehicles by Aluminum Alloy in the Future

- Dr. Xiong Fei, Changjiang EV, Vice General Manager

Challenges and Solutions for Resistance Welding of Aluminum Alloys

- Mr. Sun Liang, NIMAK Welding（Beijing）Ltd.

SPR Process: 4.0 Solution of Riveting Assembly Technology for Automotive Al BIW

- Mr. Mike Wang, Chief Engineer & President of ERPESS Systems (Shenzhen) Ltd.

形式/Format

- 演讲 30 分钟/人 Presentations by the speakers, 30 minutes each
- 互动讨论 Panel discussion（30min）

P01：2017 中国轻量化车身会议
2017 Lightweight Car Body Conference

时间及地点：10 月 25 日 08:30-16:00，上海汽车会展中心
Date & Venue: 08:30-16:00 Oct. 25, Shanghai Automobile Exhibition Center

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

会议主席：王登峰 教授，吉林大学汽车轻量化技术创新战略联盟，专家委主任
Chairperson: Prof. Wang Dengfeng, Jilin University, Chairperson of CALA Committee of Experts

简介/ Introduction:

车身轻量化是整车轻量化最重要的部分，在油耗法规日益严格的背景下，各整车企业均加大了在轻量化方面的投入，并在加快推动轻量化新材料、新工艺以及新结构的应用。我国整车企业轻量化的最新进展怎样？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？本专题分会将邀请相关的整车企业针对上述问题进行分享和讨论。

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. What have been done on the lightweight of car by Chinese automobile companies? 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? This session will invite OEMs to discuss the relevant issues and share the lightweight achievements of Chinese passenger cars in recent years.

拟邀请演讲嘉宾/ Speakers to be invited

- 奇瑞汽车股份有限公司，演讲车型为奇瑞 eQ1
- 东风汽车公司，演讲车型为风神 AX4
- 重庆长安汽车股份有限公司，长安 CS55
- 前途汽车（苏州）有限公司（待定），拟演讲车型为前途 K50
- 宝沃汽车(中国)有限公司（待定），车型待定
- 江铃汽车股份有限公司（待定），车型待定
- CHERY Automobile Co., Ltd., Introduction to the lightweight of Chery eQ1
- Dongfeng Motor Corporation, Introduction to the lightweight of Dongfeng AEOLUS AX4
- Chongqing Changan Automobile Company Limited
- Qiantu (Suzhou) Co., Ltd. (TBD)
- Borgward China (TBD)
- Jiangling Motors Co., Ltd. (TBD)

L02：汽车用碳纤维复合材料
Carbon Fiber Composites

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心

Date & Venue: 08:30-11:40, Oct. 26, Shanghai Automobile Exhibition Center

协办单位：汽车轻量化技术创新战略联盟
Co-organizers: China Auto Lightweight Technology Innovation Strategic Alliance

会议主席：刘春太教授， 郑州大学教授，橡塑模具国家工程研究中心副主任
Chairperson: Prof. Liu Chuntai, Zhengzhou University, Deputy Director of National Engineering Research Center of Rubber and Plastic Mould

简介/ Introduction:

主要分享汽车用低成本、高性能碳纤维开发的理念，以及采用的不同技术手段，如优化碳化工艺、开发高效的固化剂等。邀请专家针对车身用碳纤维的结构设计、工艺设计和再生碳纤维回收工艺、性能评价和中长期发展提出建议，同时，针对碳纤维复合材料典型的成型工艺进行分析，并依据不同车型的批量化大小给出建议和指导。

We mainly share the concept of low cost and high performance carbon fiber for automobile, as well as different technical measures, such as optimizing carbonization process and developing efficient curing agent. Invite experts for the body structure design, process design and regeneration of carbon fiber carbon fiber recycling technology, performance evaluation and long-term development suggestions, at the same time, to analyze the forming process of carbon fiber composite material is typical, and on the basis of batch sizes are given different models and suggestions.

议题/Topics:

- 汽车用低成本、高性能碳纤维开发建议
- 低成本、高性能碳纤维的制备工艺与装备
- 低成本再生碳纤维循环利用典型案例
- 碳纤维车身结构设计的方法和原则
- Automotive low cost and high performance carbon fiber development proposals
- Low cost, high performance carbon fiber preparation process and equipment
- Low cost recycled carbon fiber recycling typical case
- Methods and principles of carbon fiber body structure design

演讲嘉宾/ Speakers

汽车用低成本碳纤维开发与工艺设计建议
— 徐坚 博士，中科院化学所，研究员
低成本碳纤维制备技术
— 林刚 先生，广州赛奥碳纤维技术有限公司，副总裁
碳纤维循环利用与发展建议
— 杨斌 教授，上海交通大学
新型快速固化剂开发
— 康红伟 先生，深圳市郎搏万先进材料有限公司，总经理
典型碳纤维成型工艺与选型
— 范欣愉 先生，金发科技股份有限公司，副总工程师
碳纤维车身设计与工艺优化分析
— 余炳跃 先生，青岛莱特维汽车技术有限公司，总经理
Development and Process Design of Low Cost Carbon Fiber for Automobile
— Dr. Xu Jian, Research Professorship, Institute of Chemistry Chinese Academy of Sciences
Preparation technology of low cost carbon fiber
— Mr. Lin Gang, Vice President, ATA Machinery
Recycling and development proposals of Carbon fiber
— Prof. Yang Bin, Shanghai Jiaotong University
Development of new fast curing agent

— Mr. Kang Hongwei, General manager, Shenzhen No.1 Fine Chemical Co., Ltd.
Typical carbon fiber forming process and selection
— Mr. Fan Xinyu, Deputy Chief Engineer, Kingfa Science and Technology Co., Ltd.
Carbon fiber body design and process optimization analysis
— Mr. Yu Bingyue, General Manager, Qingdao Laitewei Automotive Technology Co., Ltd.

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

LT1：汽车轻量化工艺与材料
New Materials and Lightweight Technologies

时间及地点：10 月 24 日 16:00-18:00, 上海汽车会展中心
Date & Venue: 16:00-18:00, Oct. 26, Shanghai Automobile Exhibition Center

会议主席：朱平 教授，上海交通大学
Chairperson: Prof. Zhu Ping, Shanghai Jiao Tong University

2017APAC-LW-024：考虑材料几何变化的平纹机织碳纤维复合材料弹性性能预测
— 朱超 先生，上海交通大学
邀请报告：近年中国车用树脂材料的部件开发及发展趋势
— 三菱化学控股集团
邀请报告：符合环境法规的轻量化高节能效果的汽车玻璃
— 藤田 浩之 先生，旭硝子汽車玻璃（中国）有限公司
2017APAC-LW-030：TWIP950 在前纵梁的应用可行性研究
— 杨冰 先生， 东风汽车集团股份有限公司技术中心
2017APAC-LW-004：汽车轻量化技术方案及应用实例
— 高阳 先生，神龙汽车有限公司
2017APAC-LW-029：铝合金/碳纤维混合管的准静态轴向压溃实验研究
— 陈思吉 先生，同济大学
2017APAC-LW-020：碳纤维复合材料转向支撑总成轻量化设计开发
— 刘建才 博士，长安汽车工程研究总院
2017APAC-LW-024: Prediction of Elastic Properties of Plain Woven Carbon Fiber Reinforced Composite with Internal Geometry Variability
— Mr. Zhu Chao, Shanghai Jiao Tong University
Invited Report: Development of Advanced Plastics for Automobile in China
— Mitsubishi Chemical Holdings group
Invited Report: Highly Effective Automobile Glasses for Weight-saving and Energy-saving Well Matching Chinese Environmental Regulations
— Mr. Hiroyuki Fujita, AGC Automotive（China）Co., Ltd.
2017APAC-LW-030: Feasibility Study for the Application of Twip950 on Front Longitudinal Beam
— Mr. Yang Bing, Dongfeng Motor Corporation Technical Center
2017APAC-LW-004: Technical Ways and Application Examples for Lightweight of Automobile
— Mr. Gao Yang, Dongfeng Peugeot Citroen Automobile Company Ltd.
2017APAC-LW-029: Experimental Study on Performance of Aluminium/CFRP Hybrid Tubes Under Quasi-Static Axial Compression
— Mr. Chen Siji, Tongji University
2017APAC-LW-031: Technology of Squeeze Casting for Aluminium Alloy Automobile Triangle Arms
— Mr. Ren Juncheng, Dongfeng Motor Corporation Technical Center
2017APAC-LW-020: Lightweight Design of a CFRP Cross-car Beam Assemblies

— Dr. Liu Jiancai, Changan Auto Global R&D Center

LT2：汽车轻量化设计

Vehicle Lightweight Design

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40, Oct. 26, Shanghai Automobile Exhibition Center

会议主席：刘剑平 先生，高级工程师，东风汽车公司技术中心
Chairperson: Liu Jianping, Senior Engineer, Technology Center, Dongfeng Motor Corporation

邀请报告：结构件以塑带钢的解决方案
— 王文勇 先生，帝斯曼工程塑料
2017APAC-LW-009：热塑性塑料后背门的开发与应用
— 刘剑平 先生，东风汽车公司技术中心
2017APAC-LW-005: Development of Roof Rack
— Mr. HyunKyung Kim 先生，HYUNDAI MOTOR COMPANY
2017APAC-LW-019：概念设计阶段基于简化模型断面优化的铝合金车身轻量化设计
— 张峰 先生，重庆长安汽车股份有限公司
2017APAC-LW-001：基于新型轻量化技术的碰撞吸能结构设计应用研究
— 高伟钊 先生，中国第一汽车股份有限公司技术中心
2017APAC-LW-006：G 系列叉车机罩拉深成形工艺参数优化设计
— 朱梅云 女士，安徽江淮汽车集团股份有限公司
2017APAC-LW-033：乘用车掀背门综合轻量化设计
— 梁乔丹，华南理工大学
2017APAC-LW-008：基于拓扑优化的中置轴式轿运车轻量化设计
— 刘雨婷 女士，北京航空航天大学
2017APAC-LW-015: The Development of Hybrid Chassis Components Applied by The Hybrid-Material
— Pan-Keun Jeong 先生，Seojin Co.
2017APAC-LW-028：基于多层次优化的碳纤维复合材料电池箱设计
— 侯少强 先生，大连理工大学
2017APAC-LW-027：基于有限元的气压盘式制动器轻量化设计
— 楚拯中 先生，中国第一汽车股份有限公司技术中心
Invited Report: Metal Replacement for Structural Parts with High Performance Engineering Plastics
— Mr. Wang Wenyong, DSM Engineering Plastics
2017APAC-LW-009: Development and Application of Thermoplastic Back Door
— Mr. Liu Jianping, Dongfeng Motor Corporation
2017APAC-LW-005: Development of Roof Rack
— Mr. HyunKyung Kim, Hyundai Motor Company
2017APAC-LW-019: Lightweight Optimization Design of Aluminum Vehicle Body Based on Primary Cross Section in the Concept Phase of Development
— Mr. Zhang Feng, Chongqing Changan Automobile Co., Ltd.
2017APAC-LW-001: Crash Energy-absorption Structure Design Based on an Innovated Leightweight Technology
— Mr. Gao Weizhao, China Faw Co., Ltd., R&D Center
2017APAC-LW-006: Parameter Optimization Design in the Drawing of G Series Forklift Engine Hood
— Ms. Zhu Meiyun, Anhui Jianghuai Automobile Group Corp., Ltd.
2017APAC-LW-033: Integrated Lightweight Design of Passenger Car's Hatchback
— Liang Qiaodan, South China University of Technology
2017APAC-LW-008: Lightweight Design of Center Axle Trailer Train of Car Carrier Based on Topology

Optimization Method

- Ms. Liu Yuting, Beihang University

2017APAC-LW-015: The Development of Hybrid Chassis Components Applied by the Hybrid-Material

- Mr. Pan-Keun Jeong, Seojin Co.

2017APAC-LW-028: Multi-level Optimization Based Design of Carbon Fiber Composite Battery Box

- Mr. Hou Shaoqiang, Dalian University of Technology

2017APAC-LW-027: The Lightweight Design of Air Disc Brake Based on Finite Element Analysis

- Mr. Chu Zhengzhong, China Faw Group Corporation R&D Center

电子、设计仿真、测试、开发等相关议题

Sessions on Electronics, Design, Simulation, Testing, and Development

1. 基于模型的闭环开发-被控对象和控制器系统建模仿真以及应用
   Model-Based Close-Loop Development – plant and control systems simulation and applications
2. Ansys专题分会场
   Session organized by Ansys
3. 电子开发，安全先行
   Advanced safety in electronic developing
4. 执行器驱动与控制新技术
   Actuator drive and control new technology
5. 车身设计及仿真
   Car Body Design and Simulation
6. 新能源汽车仿真测试
   Simulation and Testing for New Energy Vehicle
7. 仿真、测试
   Simulation and Testing
8. 可靠性技术
   Vehicle Reliability Technology

D01：基于模型的闭环开发-被控对象和控制器系统建模仿真以及应用
Model-based Close-loop Development-plant and Control Systems Simulation and Applications

时间及地点：10 月 25 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：李建秋 教授，清华大学
Chairperson: Prof. Li Jianqiu, Tsinghua University

联合会议主席：周末 先生，MathWorks 行业市场部经理
Co-chairperson: Mr. Zhou Mo, Industry Marketing Manager, MathWorks

简介/ Introduction:

近年来，随着我国新能源汽车技术的突飞猛进，基于模型的开发（MBD）已经逐步成为汽车电子和控制系统的主流开发模式。基于模型的闭环仿真和开发指的是：在一个系统模型环境下，被控对象和控制器形成控制闭环，在此基础上进行系统配置，算法开发和标定，及各级在环测试验证。

In recent years, with the rapid development of China's New Energy Vehicle(NEV) technology, model-based development (MBD) has gradually become the mainstream of automotive electronic and controls system development. Model-based close-loop simulation and development refers to: the plant and controller form a close-loop control system in a system modelling environment. On this basis, the system configuration, algorithm development and calibration, and in-the-loop tests at all different levels are carried out.

议题/Topics:

- 整车动力总成模型的建立以及整车控制器开发
- 高精度的电机模型以及电机控制器开发
- 动力电池建模仿真以及 BMS 开发
- NEV ‘s Powertrain model and Vehicle Control Unit (VCU) development
- High-Fidelity motor model and Motor Control Unit (MCU) development
- NEV Battery model and Battery Management System (BMS) development

演讲嘉宾/ Speakers

被控对象物理模型在 TCU 软件测试中的开发与应用
— 郑军 先生，上海汽车集团股份有限公司技术中心，集成与测试工程师
满足 ISO26262 标准的 MBD 软件开发介绍
— 梁海强 先生，北汽新能源研究院策略开发部副部长
新能源汽车动力总成建模仿真及匹配优化
— 胡洪祥 先生，MathWorks 资深技术顾问
基于 Matlab/Simulink 的混合动力整车控制器开发
— 李根深 先生，奇瑞汽车动力总成技术中心电控系统技术部经理
如何将 MBD 应用到 BMS 传统软件开发中
— 陈秋婷 女士，北京普莱德新能源电池科技有限公司电子电器部经理
Functional Development of Plant Model (Transmission)
— Mr. Zheng Jun, Integration and Testing Engineer, SAIC Technology Center
Introduction of MBD Software Development Complied with ISO26262 Standard
— Mr. Liang Haiqiang, Vice Director, Control Strategy Department, BAIC New Energy Vehicle
New Energy Vehicle Powertrain Modeling, Simulation and System Optimization
— Mr. Vincent Hu, Senior Technical Consultant, MathWorks
Hybrid Control Unit Development Based on Matlab/Simulink
— Mr. Li Genshen, Manager, Chery Auto Powertrain Technical Center Electronic Control System Technical
How to Develop BMS Traditional SW with MBD

- Ms. Judy Chen, Manager, Manager, EE Department, Beijing Pride New Energy Battery Technology Company

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（50min）

D02：新能源汽车动力系统关键仿真技术和应用
Key Simulation Technologies of Green-Car Traction System

协办单位：ANSYS 中国
Co-organizer: ANSYS China

拟邀请会议主席：丁海强，ANSYS，中国技术总经理
Invited Chairperson: Ding Haiqiang, Technical General Manager, ANSYS China

简介/ Introduction:

新能源汽车产业已进入市场大规模启动的重要时期，要在激烈的竞争中站稳脚跟，必须依靠过硬的产品质量和卓越的用户体验。优化新能源汽车整车及关键部件技术，不断提升品质和用户体验，已经成为行业和企业的关注焦点。针对新能源汽车动力系统中的关键设计，以及仿真技术在本领域的应用，本专题分会将邀请国内外专家展开介绍和讨论。

The New Energy Vehicle industry has entered an important era of large-scale market launch. Only by relying on excellent product quality and prominent user experience can the players stand firm in the fierce competition. The industry focus is how to optimize the New Energy Vehicle and key components, and continuously improve the vehicle quality and user experience. Regarding key technologies of green-car powertrain design, as well as the application of simulation technologies, this session will invite experts domestic and abroad to discuss.

议题/Topics:

- 新能源汽车动力系统关键仿真技术
- 多物理场仿真在全电“Lucid Air”汽车开发中的作用
- 新能源汽车 NVH 特性优化设计
- 新能源汽车驱动电机仿真技术
- Advanced Simulation Technologies of New Energy Vehicle Powertrain
- The Role of Multi-physics Simulation in the Development of the All-Electric Lucid Air
- Optimized NVH Design of New Energy Vehicle
- Analysis Simulation Technology of New Energy Vehicle Driving Motor

演讲嘉宾/ Speakers

新能源汽车动力系统关键仿真技术
- Scott Stanton 先生，ANSYS, ANSYS 全球解决方案总监

多物理场仿真在全电“Lucid Air”汽车开发中的作用
- Alberto Basenese 先生, Lucid Motors, 多物理场和优化经理

新能源汽车 NVH 特性优化设计
- 刘显臣 先生，绿驰汽车，NVH 总工程师

新能源汽车驱动电机仿真技术
- 罗建 先生，千人计划专家，教授， 上海大学

Advanced Simulation Technologies of New Energy Vehicle Powertrain
- Mr. Scott Stanton, Director of ANSYS Solution Team, ANSYS

The Role of Multi-Physics Simulation in the Development of the All-Electric Lucid Air
- Mr. Alberto Basenese, Lucid Motors, Manager of Multiphysics and Optimization

Optimized NVH Design of New Energy Vehicle New Energy Vehicle
- Mr. Liu Xiancheng, IWH Chief Engineer, LVCHI Auto

Simulation Technology of New Energy Vehicle Driving Motor
— Mr. Luo Jian, Professor, Shanghai University

形式/Format

- 演讲 25 分钟/人 Presentations by the speakers, 25 minutes each
- 互动讨论 Panel discussion（20min）

DT1：电子开发，安全先行
Advanced safety in electronic developing

时间及地点：10 月 25 日 08:30-09:45，上海汽车会展中心
Date & Venue: 08:30-09:45 Oct. 25, Shanghai Automobile Exhibition Center

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
Chairperson: Mr. Wu Zemin, Dongfeng Motor Corporation Technical Center

2017APAC-VE-036：A Development of the Fail-Operation Algorithm for MDPS Motor Position Sensor
— Munsu Kim 先生，Hyundai Mobis
2017APAC-VE-046：某塑料壳体控制器的 ESD 失效分析和整改
— 彭晓宇 先生，中国第一汽车股份有限公司技术中心
2017APAC-VE-054：Effectiveness Evaluation of Awareness Message for Road Traffic Hazard, Actual Running Test Approach
— Tetsushi Mimuro 女士，Akita Prefectural University
2017APAC-VE-008：电动汽车后碰高压安全优化设计
— 叶盛 先生，比亚迪汽车工业有限公司
2017APAC-VE-061：Redundant design and ASIL decomposition for ESCL functional safety development according to ISO 26262
— Wang Chi，北京汽车股份有限公司

2017APAC-VE-036: A Development of the Fail-Operation Algorithm for MDPS Motor Position Sensor
— Mr. Munsu Kim, Hyundai Mobis
2017APAC-VE-046: Esd Failure Analysis and Correction of a Plastic Housing Electronic Control Unit
— Mr. Xiaoyu Peng, China FAW Group Corporation R&D Center
2017APAC-VE-054: Effectiveness Evaluation of Awareness Message for Road Traffic Hazard, Actual Running Test Approach
— Ms. Tetsushi Mimuro, Akita Prefectural University
2017APAC-VE-008: High Voltage Safety Improvement Design for Electric Vehicle in Rear Impact
— Mr. Ye Sheng, BYD auto industrial Co., Ltd.
2017APAC-VE-061: Redundant design and ASIL decomposition for ESCL functional safety development according to ISO 26262
— Wang Chi, BAIC Motor Corporation., Ltd.

DT2：执行器驱动与控制新技术
Actuator Drive and Control New Technology

时间及地点：10 月 25 日 09:50-11:40，上海汽车会展中心
Date & Venue: 09:50-11:40 Oct. 25, Shanghai Automobile Exhibition Center

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
Chairperson: Mr. Wu Zemin, Dongfeng Motor Corporation Technical Center

邀请报告：Automotive FRAM（Ferroelectric Random Access Memory）
— 冯逸新 先生，富士通电子元器件（上海）有限公司市场部总监

TBD
— Patrick Zhang，意法半导体（中国）投资有限公司技术市场经理
2017APAC-VE-056：商用车双电机电动助力转向系统控制策略研究
— 冯乾隆 先生，长安大学
2017APAC-VE-062：特种无人驾驶车辆动力学控制
— 倪俊 博士，北京理工大学
2017APAC-VE-057：一种基于时变内模的 PMSM-EPS 助力纹波抑制方法
— 于跃 先生，北京经纬恒润科技有限公司
2017APAC-VE-019：基于英飞凌 ePower 的新型油泵驱动器
— 李诗念 先生，英飞凌集成电路（北京）有限公司
邀请报告：汽车整车的电磁兼容性能开发与管控
— 雷剑梅，中国汽车工程研究院股份有限公司 EMC 检测部副总工程师

Invited Report: Automotive FRAM（Ferroelectric Random Access Memory）
— Mr. Feng Yixin, Fujitsu Electronics (Shanghai) Co., Ltd.
Invited Report: TBD
— Patrick Zhang, Technical Marketing Manager, STMicroelectronics (China) Investment Co., Ltd.
2017APAC-VE-056: Study on Control Strategy of Dual-motor Electric Power Steering System for Commercial Vehicle
— Mr. Feng Qianlong, Chang'an University
2017APAC-VE-062: Dynamics Control of Military Unmanned Ground Vehicle
— Dr. Ni Jun, Beijing Institute of Technology
2017APAC-VE-057: A Time-Varying Internal Model-Based Torque Ripple Rejection Control For PMSM-EPS System
— Mr. Yu Yue, Hirain Technologies Co., Ltd.
2017APAC-VE-019: A New Fuel Pump Driver Using ePower
— Mr. Chris Li, Infineon integrated circuit (Beijing) Ltd.
Invited Report: Vehicle-level EMC Development, Management and Control
— Dr. Lei Jianmei, China Automotive Engineering Research Institute Co., Ltd

DT3：车身设计及仿真
Car Body Design and Simulation

时间及地点： 10 月 26 日 08:30-10:15，上海汽车会展中心
Date & Venue: 08:30-10:15 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：高云凯 教授，同济大学
Chairperson: Prof. Gao Yunkai, Tongji University

邀请报告：基于空气动力学优化的节油减排方案 – 主动式进气格栅的应用
— 麦格纳
2017APAC-DT-028：乘员舱前围板耐撞性分析及其轻量化设计
— 张姝娴 女士，同济大学
2017APAC-DT-083：中门保持件强度优化及影响仿真精度关重因素探究
— 何秋平 先生，重庆长安汽车股份有限公司
2017APAC-DT-103：关于后扰流器侧翼结构进一步降低两厢车风阻的研究
— 何悦 先生，重庆长安汽车股份有限公司
邀请报告：基于 3D 数字路面的整车耐久性能评价方法研究
— 孙成智 博士，上海汽车集团股份有限公司技术中心
2017APAC-DT-019：优化驱动的白车身轻量化设计
— 欧贺国 先生，北京汽车越野车研究院

2017APAC-DT-024：基于隐式参数化的车身结构平台化衍变及优化
— 邱忠财 先生，重庆长安汽车股份有限公司研究总院
2017APAC-DT-013：汽车车身正向概念设计先进方法与流程
— 秦欢 博士，湖南大学
Invited Report: A Fuel Efficiency Plan Based on Aerodynamics Optimization – Active Grill Shutter Application
— Magna
2017APAC-DT-028: Analysis on the Crash-Worthiness of the Crew Compartment and Lightweight Design of the Front Wall
— Ms. Zhang Shuxian, Tongji University
2017APAC-DT-083: Optimization for Qualified Structures Intension of Sliding Door Based on Regulation and a Study about Key and Important Factors Affectting Simulation Accuracy
— Mr. He Qiuping, Chongqing Changan Automobile Limited Company
2017APAC-DT-103: Research on the Rear-Spoiler Winglet to Further Improve the Aerodynamic Performance of Hatch-Back Vehicles
— Mr. He Yue, Chongqing Changan Automobile Co., Ltd.
Invited Report: Study on Assessment of the Vehicle Durability Performance Based on the 3D Virtual Proving Ground
— Dr. Sun Chengzhi, SAIC Motor Technical Center
2017APAC-DT-019: Lightweight Body-In-White Design Driven by Optimization Technology
— Mr. Ou Heguo, Off-Road Vehicle R&D, BAIC
2017APAC-DT-024: Platform Based Evolution and Optimization of Vehicle Body in White (BIW) Using Implicit Modeling Technology
— Mr. Qiu Zhongcai, Chongqing Changan Automobile Co., Ltd. Globe R＆D Center
2017APAC-DT-013: Advanced Method and Process for Automotive Body Forward Conceptual Design
— Dr. Qin Huan, Hunan University

DT4：新能源汽车仿真测试
Simulation and Testing for New Energy Vehicle

时间及地点：10 月 26 日 10:20-11:40，上海汽车会展中心
Date & Venue: 10:20-11:40 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：吴光强 教授，同济大学
Chairperson: Prof. Wu Guangqiang, Tongji University

2017APAC-DT-022：电动轿车前部车身结构的多目标可靠性优化设计
— 高丰岭 博士，北京理工大学
2017APAC-DT-004：一种基于中欧标准估计 PHEV 电量维持阶段油耗的方法
— 侯聪 博士，长安汽车
2017APAC-DT-117：电动汽车能量流测试分析
— 杨天 先生，中国汽车技术研究中心
2017APAC-DT-121：基于 Adams 的纯电动汽车变速器驻车机构性能研究
— 董远 先生，河北工业大学
2017APAC-DT-069：某电动车电池包振动疲劳性能研究
— 祁超，重庆长安汽车股份有限公司汽车研究总院
2017APAC-DT-022: Multi-objective Reliability-based Design Optimization for Front Structure of an Electric Car
— Dr. Gao Fengling, Beijing Institute of Technology
2017APAC-DT-004: An Estimation Methodology on PHEV Charge Sustaining Fuel Economy Based on China and Europe's Standard
— Dr. Hou Cong, Changan Automobile
2017APAC-DT-117: Analysis on Energy Flow of Electric Vehicle

- Mr. Yang Tian, China Automotive Technology & Research Center

2017APAC-DT-121: Research on the Performance of Electric Vehicle Transmission Parking Mechanism Based on Adams

- Mr. Dong Yuan, Hebei University of Technology

2017APAC-DT-069: Study on Vibration Fatigue Performance of Electric Vehicle Battery Pack

- Qi Chao, Changan Auto Global R&D Centre, Changan Automobile Co., Ltd.

DT5：仿真、测试
Simulation and Testing

时间及地点： 10 月 26 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：吴宪 副教授，同济大学
Chairperson: Assoc.Prof. Wu Xian, Tongji University

2017APAC-DT-035: Optimization of Multiple Characteristics of Ventilated Pillar-brake Disc Using Gray Relational Analysis

- Hyun Jin Park 先生, Seohan Corporation

2017APAC-DT-055：车辆高速转向混沌运动中的轮胎侧偏角修正研究

- 牟宇 先生，吉林大学

2017APAC-DT-094：商用车驾驶室悬置仿真设计与试验分析

- 张松 先生，江苏大学

邀请报告：基于仿真与排除法的紧固件连接对车架强度影响敏感度评价方法研究

- 袁英堃 先生，中国第一汽车股份有限公司技术中心

2017APAC-DT-089：A Study on Controllability of the Button Type Shift by Wire

- SEUNG JOON LEE 先生，Hyundai Motor Company

2017APAC-DT-137：皮卡车振动分析模型建立的研究

- 刘得星 先生，华南理工大学

2017APAC-DT-044：Study on Laser Head Lamp

- Byoungsuk Ahn 先生，Hyundai Motors

2017APAC-DT-099：基于道路载荷谱的转向节多轴加载疲劳试验研究

- 唐春蓬 先生，中国汽车工程研究院

2017APAC-DT-035: Optimization of Multiple Characteristics of Ventilated Pillar-brake Disc Using Gray Relational Analysis

- Mr. Hyun Jin Park, Seohan corporation

2017APAC-DT-055: A Study on Modification of Tire Slip Angle Model in Chaos Motion of Vehicle Steering

- Mr. Yu Mou, Jilin University

2017APAC-DT-094: Simulate Design and Experimental Analysis of Commercial Vehicle Cab Suspension

- Mr. Zhang Song, Jiangsu University

Invited Report: Simulation and Exclusion Analysis based Evaluation Method Study on Fastener's Sensitivity for Vehicle Frame Strength Influences

- Mr. Yuan Yingkun, China Faw Corporation Limited R&D Center

2017APAC-DT-089: A Study on Controllability of the Button Type Shift by Wire

- Mr. SEUNG JOON LEE, Hyundai Motor Company

2017APAC-DT-137: Modeling and Simulation of Vibration of Pickup Truck

- Mr. Liu Dexing, South China University of Technology

2017APAC-DT-044: Study on Laser Head Lamp

- Mr. Byoungsuk Ahn, Hyundai Motors

2017APAC-DT-099: Study on Multiaxial Loading Fatigue Test of Steering Knuckle Based on Road Load Spectrum

- Mr. Tang ChunPeng, China Automotive Engineering Research Institute Co., Ltd.

D03：汽车可靠性技术
Vehicle Reliability Technology

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：蒋文虎 先生，中国第一汽车股份有限公司技术中心
Chairperson: Mr. Jiang Wenhu, China FAW Group Corporation R＆D Center

简介/ Introduction:

当前，汽车正由一百多年前的典型机械产品，逐步演变为机电一体化、智能网联化的高科技产品，未来汽车行业关于产品可靠性和技术水平的竞争将更加激烈。纵观全行业，随着产品升级和创新需求的与日俱增，企业对可靠性的重视已经达到新的战略高度。因此，加强汽车可靠性水平、提升产品竞争力成为当前一项重要工作，也是贯彻《中国制造 2025》推动我国汽车产业由大到强的主攻方向之一。同时，国内的很多汽车企业在可靠性开发领域仍然在使用非常传统的设计-样机-测试的被动流程，开发周期非常长、成本非常高。如何建立系统的可靠性设计流程，通过预防性的方法在设计早期发现潜在失效并预防失效的发生变得越来越重要。

本分会场将侧重在交流与共享相关可靠性技术，包括全球可靠性设计最佳实践、预防性可靠性技术与可靠性测试技术等。同时，也会邀请专家分享可靠性基础技术，如维修数据分析、寿命数据分析等。

As of today, the automobile has becoming more and more complicated with more and more high technologies applied, such as electric control and intelligent technologies. Auto reliability plays a key role and will play more and more important role in the furious competing market. Many companies have put reliability improvements to a strategic level with growing innovations in the automotive technology. So how to strengthen the reliability level of automobile and improve product competition capacity is very important now and will be one of the key areas for domestic OEMs, especially under the circumstance of China Manufacturing 2025 Planning. Moreover, many companies in China are still using the very traditional way, namely, design-build-test, for reliability development, which is very passive and high cost. How to establish the systematic reliability process with proactive methods to find and prevent failures before physical test is very important for many companies.

This session will focus on sharing technologies on world-wide reliability best practice, proactive methods and reliability test technology etc. Some fundamental technologies such as warranty data analysis and life data analysis will be also discussed.

议题/Topics:

- 国外可靠性设计实践经验分享
- 可靠性指标与分析评价
- 企业 FMEA 实施与管理最佳实践
- 加速寿命试验技术
- 可靠性增长试验方法与应用
- 电动车可靠性耐久性技术
- 虚拟试验场技术
- World-wide reliability design practice and process sharing
- Reliability KPIs and assessment
- FMEA implementation and management practice
- ALT Technologies
- Reliability growth technology
- EV Car Reliability and Durability
- Virtual Proving Ground Technology

演讲嘉宾/ Speakers

车辆可靠、耐久性能在奇瑞自主开发中的重要性
－ 陆献强 博士，奇瑞汽车股份有限公司，产品开发管理中心总工程师
待定
－ 蒋文虎 先生，中国第一汽车股份有限公司技术中心，发动机机械开发室主任
可靠性增长试验方法与应用
－ 刘继承 先生，北汽福田汽车股份有限公司，汽车工程研究院总工程师
数据分析在汽车可靠性设计中的应用
－ 陈云斌 先生，上海瑞卓软件股份有限公司，可靠性技术总监
企业 FMEA 实施与管理最佳实践
－ 薛海艳 女士，马瑞利汽车零部件（中国）有限公司，亚洲区 FMEA 经理
虚拟试验场技术及其在汽车耐久性开发中的应用
－ 杨建森 博士，中国汽车技术研究中心汽车工程研究院，总工程师助理
Importance of Vehicle Reliability and Durability in Chery Product Development System
－ Dr. Lu Xianqiang, Chery Automobile Co., Ltd., Chief Engineer of Product Development Management Center
TBD
－ Mr. Jiang Wenhu, China FAW Group Corporation R＆D Center, Director of Engine Mechanical Development
Reliability Growth Test Method and Its Applications
－ Mr. Liu Jicheng, Beiqifoton Motor Co., Ltd., Chief Engineer of Automotive Engineering Research Institute
Data Analysis During Design for Reliability of Auto
－ Mr. Chen Yunbin, Shanghai Ruizhuo Software Co., Ltd., Reliability Technical Director
FMEA Implementation and Management Best Practice
－ Ms. Xue Haiyan, Magneti Marelli Co., Ltd., Asia FMEA Manager
Virtual Proving Ground Technology and Application in Automobile Durability Development
－ Dr. Yang Jiansen, CATARC Automotive Engineering Research Institute, Chief Engineer Assistant

形式/Format

- 演讲 30 分钟/人 Presentations by the speakers, 30 minutes each

被动安全

Sessions on Safety

1. 人体损伤生物力学及汽车安全
   Human Injury Biomechanics and Vehicle Safety
2. 人体冲击损伤保护
   Human Impact Damage Protection
3. 汽车结构安全性设计
   Car Structure Safety Design

S01：人体损伤生物力学及汽车安全
Human Injury Biomechanics and Vehicle Safety

时间及地点：10 月 24 日 13:30-18:00，上海汽车会展中心
Date & Venue: 13:30-18:00 Oct. 24, Shanghai Automobile Exhibition Center

会议主席：兰凤崇教授，华南理工大学
Chairperson: Prof. Lan Fengchong, South China University of Technology

联合会议主席：阮世捷博士，国际汽车安全杂志主编&美国福特公司技术主管
Co-chairperson: Dr. Jesse Ruan, Editor-in-Chief of International Journal of Vehicle Safety & Technical Manager of Ford Motor Company

简介/ Introduction:

针对汽车碰撞中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。国外诸多知名科研机构，如福特、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。损伤生物力学研究经过几十年的发展取得了一定的成绩同时也面临一些问题，其研究成果的应用将与汽车安全的发展紧密联系在一起。利用生物力学模型，在汽车研发过程不仅可以降低人体物力的消耗，还能够缩短车辆的研发周期；在发生交通事故时，也能利用其解决一定的实际问题。此分会场将讨论人体损伤生物力学的研究，汽车安全的发展方向以及他们之间的相互关系。

Injury biomechanics 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. Biomechanics field after decades of development has made some achievements and faced with some of the problems. The development of biomechanics is closely related to car safety. The use of biomechanics in the development of automotive safety can not only reduce the consumption of resources but also shorten the development cycle. In the traffic accident, the use of biomechanics can solve some practical problems. The special session will focus on the research of human injury biomechanics, the development direction of car safety and the mutual promotion and development relationship between them.

议题/ Topics:

- 生物力学理论、试验以及模型建立方法的最新进展如何
- 怎样在交通事故中利用生物力学解决实际问题
- 生物力学怎样应用到汽车安全的研发过程中
- 汽车安全标准的发展以及未来的方向
- 在构建汽车安全碰撞虚拟平台时会有哪些问题，应该如何去克服
- What are the recent advances in biomechanical theories, experimental and establishment methods of models
- How to use biomechanics to solve practical problems in human body injuries caused by traffic accidents
- How can biomechanics be applied to the vehicle safety development process?
- What is the development process of the vehicle safety assessment method and what the future development trend will be
- What are the problems in the establishment of the vehicle safety virtual collision evaluation system and how to develop it

演讲嘉宾/ Speakers

- King Yang 教授，韦恩州立大学生物工程中心主任
- 李冬日 教授，南方医科大学司法鉴定中心主任
- 水野幸治 教授，名古屋大学、国际协调研究机构汽车兼容性工作组专家
- Stewart C. Wang 教授，密西根大学国际汽车医学中心主任
- 阮世捷 博士，美国福特汽车公司技术专家、国际汽车安全杂志主编

- Saeed Barbat 博士，,美国福特汽车公司安全技术主管
- 兰凤崇 教授，华南理工大学、广东省汽车工程重点实验室主任
- Prof. King Yang, Ph.D., FSAE, FAIBEM, Wayne State University, Director, Bioengineering Center, Wayne State University
- Prof. Li Dongri, Ph.D., Southern Medical University, Director, Judicial Expertise Center of Southern Medical University
- Prof. Koji Mizuno, Ph.D., Nagoya University Expert，Automotive compatibility department of International Harmonized Research Activities(IHRA)
- Prof. Stewart C. Wang, M.D., Ph.D., FACS, Endowed Professor of Surgery, University of Michigan Medical School, Director, International Center for Automotive Medicine, University of Michigan
- Dr. Jesse Ruan, FSAE, FASME, FAIBEM, Technical Specialist, Ford Research and Advanced Engineering, Ford Motor Company, Editor-in-Chief, International Journal of Vehicle Safety
- Dr. Saeed Barbat, FSAE, FASME, Executive Technical Leader for Safety, Ford Research and Advanced Engineering, Ford Motor Company
- Prof. Lan Fengchong, Ph.D., South China University of Technology, Director, Guangdong Provincial Key Laboratory of Automotive Engineering

形式/Format

- 演讲 25 分钟/人 Presentations by the speakers, 25 minutes each
- 互动讨论 Panel discussion（30min）

ST1：人体冲击损伤保护
Human Impact Damage Protection

时间及地点： 10 月 25 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：聂冰冰 博士，清华大学
Chairperson: Dr. Nie Bingbing, Tsinghua University

主旨报告：Active Muscle Response Contributes to Increased Injury Risk of Lower Extremity in Occupant-Knee Airbag Interaction
- 聂冰冰 博士，清华大学

2017APAC-ST-027：基于人体生物力学模型的汽车虚拟碰撞安全评价体系
- 童芳 女士，华南理工大学

2017APAC-ST-016：中国两轮车事故典型场景研究
- 江丽君 女士，上海汽车集团股份有限公司技术中心

2017APAC-ST-022：A Study on the Relationship Between Rear Belt Inboard Lower Anchorage Positon and Rear Occupant Injury
- Wu Zuxing，重庆长安汽车有限公司

2017APAC-ST-011：The Shape Design Of Modular Passenger Air Bag
- Chen Anqiang，重庆长安汽车有限公司

2017APAC-ST-018：WorldSID 50th percentile male shoulder clevis comparison
- Maria de Odriozola Martínez 女士，Passive Safety. Applus IDIADA

2017APAC-ST-023：A Study on Characteristics of Real Pedestrian-Passenger vehicle Accidents in China
- Zhao Shujing，上海汽车技术中心

2017APAC-ST-010：某车型行人保护的大腿碰撞仿真及性能优化研究
- 郭怡晖 先生，中国汽车工程研究院股份有限公司

邀请报告：Scalable Human Body Model for Virtual Assessment of Multi-Modal Safety
- Luděk Hynčík 副教授，Faculty of Applied Sciences and New Technologies – Research Centre, University of West Bohemia

Keynote Presentations: Active Muscle Response Contributes to Increased Injury Risk of Lower Extremity in Occupant-Knee Airbag Interaction

— Dr. Nie Bingbing, Tsinghua University

2017APAC-ST-027: Safety Evaluation System of Automobile Virtual Collision Based on Human Biomechanics Model

— Ms. Tong Fang, South China University of Technology

2017APAC-ST-016: Typical Scenarios Research on China Two-wheelers Accidents

— Ms. Jiang Lijun, SAIC Technical Center

2017APAC-ST-022: A Study on The Relationship Between Rear Belt Inboard Lower Anchorage Positon and Rear Occupant Injury

— Wu Zuxing, Chongqing Changan Automobile Co., Ltd., China

2017APAC-ST-011: The Shape Design of Modular Passenger Air Bag

— Chen Anqiang, Chongqing Changan Automobile Co., Ltd., China

2017APAC-ST-018: WorldSID 50th percentile male shoulder clevis comparison

— Ms. Maria de Odriozola Martínez, Passive Safety. Applus IDIADA

2017APAC-ST-023: A Study on Characteristics of Real Pedestrian-Passenger Vehicle Accidents in China

— Zhao Shujing, SAIC MOTOR Technical Center

2017APAC-ST-010: The numerical simulation of Pedestrian Protection Upper Leg impact and performance improved of a vehicle

— Ms. Guo Yihui, China Automotive Engineering Research Institute Co., Ltd.

Invited Report: Scalable Human Body Model for Virtual Assessment of Multi-Modal Safety

— Asso. Prof. Luděk Hynčík, Faculty of Applied Sciences and New Technologies – Research Centre, University of West Bohemia

ST2：汽车结构安全性设计
Car Structure Safety Design

时间及地点：10 月 25 日 13:00-15:00，上海汽车会展中心

Date & Venue: 13:00-15:00 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：朱平 教授，上海交通大学

Chairperson: Prof. Zhu Ping, Shanghai Jiao Tong University

主旨报告：基于双循环约束粒子群算法的轿车车身耐撞性优化设计

— 刘钊 博士，上海交通大学

2017APAC-ST-015：某车型前防撞横梁结构设计

— 陈永 先生，中国汽车工程研究院股份有限公司

2017APAC-ST-006：汽车后排座椅行李冲击仿真与研究

— 李京福 先生，华晨汽车工程研究院

2017APAC-ST-007：Study on Auto-ignition and Combustion Property of Vehicle Tire

— Li Yang，重庆长安汽车优先公司

2017APAC-ST-026：Optimization and Parametric Analysis of Under Run Protection Devices for Heavy Commercial Vehicle

— Ashpak Kazi，ARAI Academy

2017APAC-ST-009：基于吸能盒验证试验的加速度波形与动态参数的关联性研究

— 黄海波 先生，长安汽车工程研究总院

Keynote Presentations: Crashworthiness Design of Auto-body Based on a Double-Loops Constrained Particle Swarm Optimization Algorithm

— Dr. Liu Zhao, Shanghai Jiao Tong University

2017APAC-ST-015: A anti-collision structure design for car crashing

- Mr. Chen Yong, China Automobile Engineering Research Institute Co., Ltd.

2017APAC-ST-006: Simulation and research on vehicle rear seat luggage impact

- Mr. Li Jingfu, Brilliance Automotive Engineering Research Institute

2017APAC-ST-007: Study on Auto-ignition and Combustion Property of Vehicle Tire

- Li Yang, Chongqing Changan Automobile Co., Ltd.

2017APAC-ST-026: Optimization and Parametric Analysis of Under Run Protection Devices for Heavy Commercial Vehicle

- Ashpak Kazi, ARAI Academy

2017APAC-ST-009: Research on Correlation between Acceleration Waveform and Dynamic Parameters Based on Crash Box Experiment

- Mr. Aaron, Changan Auto R＆D Center, Changan Automobile Co., Ltd.

制造技术相关议题

Sessions on Machufacturing

1. 汽车生产智能化改造实践探索
   Practice and Exploration of Intelligent Manufacturing in the Automobile Industry
2. 机加工、检测与测量
   Machining, Testing and Measurement
3. 节能与新能源汽车智能制造技术
   Energy Saving and New Energy Vehicle Intelligent Manufacturing Technology

M01：汽车生产智能化改造实践探索
Practice and Exploration of Intelligent Manufacturing in the Automobile Industry

时间及地点：10 月 25 日 08:30-18:00，上海汽车会展中心
Date & Venue: 08:30-18:00 Oct. 25, Shanghai Automobile Exhibition Center

协办单位：中国汽车工程学会装备部
Co-organizer: SAE-China Equipment Department

会议主席：蔡云生 女士 中国汽车工程学会装备部 部长
Chairperson: Ms. Cai Yunsheng, Director of SAE-China Equipment Department

简介/ Introduction:

面对激烈的市场竞争，每一家汽车企业都在努力提高生产效率，提升产品质量。智能制造是其途径，但需要企业拥有完备的信息管理体系，包括数字化制造技术、工业互联网、完备的生产控制系统等良好的实施基础。为促进汽车行业实现智能制造，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。

Facing the fierce competition, every automobile enterprise is going to improve the production efficiency and the qualified rate. It mostly has a complete set of information management system, including the digital technology, the industrial internet, underlying production control systems, etc., to provide a good foundation for the intelligent manufacturing. To promote the implementation of the intelligent manufacturing in auto industry, this session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- 数字化技术
- 工业互联网
- 大数据技术
- 可视化技术
- 基于模型的工程
- Digital technology
- Industry internet
- Big data technology
- Visualization technique
- Model-Based Engineering, MBe

演讲嘉宾/ Speakers

Festo –面向智能制造的合作伙伴
– Brömmelhaus Felix 先生，费斯托大中华区业务战略总监
智能工厂可视化运营管理
– 龙小昂 先生，深圳华龙讯达信息技术有限公司 总经理
工业植入软件基因，智造装上知识引擎
– 王玉环 女士，北京索为系统技术股份有限公司 副总裁
驱动汽车工业数字化企业
– 夏纬 先生，西门子（中国）有限公司 数字化工厂集团汽车行业事业部总经理
智能制造中自动检测技术的应用与实践
– 李芳 女士，机科发展科技股份有限公司 自检事业部 总经理
智能物联时代的汽车研制新体系
– 杨威 先生，美国参数技术（PTC）公司 高级技术经理
EcoStruxure 施耐德汽车智能制造解决方案
– 邱睿 先生，施耐德电气（中国）有限公司 汽车行业技术中心经理
大数据智能运维系统
– 丁裕冬 先生，上海德梅柯汽车装备制造有限公司 技术总监

大数据时代的模型化产品设计
— 龚敏彦 先生，达索系统公司 亚太系统工程能力中心高级经理
创建数字化工厂，推动智能制造
— 王奕斌 先生，欧特克软件（中国）有限公司 研发经理
Festo – Your Partner for Smart Manufacturing
— Mr. Brömmelhaus, Felix, Head of Business Strategy GCN, Festo
Visual Operation Management of Intelligent Factory
— Mr. Long Xiaoang, General Manager, Shenzhen Hualong's Information Technology Limited by Share Ltd
To Reshaping Smart Manufacturing with Middleware and Knowledge Automation
— Ms. Wang Yuhuan, Vice President, Sysware Technology Co., Ltd.
To Develop the Digital Enterprise in the Automotive Industry
— Mr. Xia Wei, General Manager, Siemens (China) Co., Ltd. DF VSS-AUTO
Application and Practice of Automatic Detection Technology in Intelligent Manufacturing
— Ms. Li Fang, General Manager, Machinery Technology Development Co., Ltd. Detection Department
The New System of Automobile Development in the Era of Intelligent IoT
— Mr. Yang Wei, Senior Technical Manager, Parametric Technology Corporation (PTC)
EcoStruxure, Schneider Automobile Intelligent Manufacturing Solutions
— Mr. Qiu Rui, Director of Automobile Industry Technology Center, Schneider Electric (China) Co., Ltd.
Big Data Intelligent Operation System
— Mr. Ding Yudong, Technical Director, Shanghai DEMC Automotive Equipment Manufacturing Co., Ltd.
Model Based Engineering in the age of big data
— Mr. Gong Minyan, Dassault Systemes, Senior Manager, Systems Engineering COE Asia
To Create Digital Factories Promoting Smart Manufacturing
— Mr. Wang Yibin, Research and Development Manager, Autodesk Software (China) Co., Ltd.

形式/Format

- 演讲 30 分钟/人 Presentations by the speakers, 30 minutes each

MT1：机加工、检测与测量
Machining, Testing and Measurement

时间及地点：10 月 25 日 13:00-17:00，上海汽车会展中心
Date & Venue: 13:00-17:00 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：朱正德 先生，上海大众动力总成有限公司
Chairperson: Mr. Zhu Zhengde, Shanghai Volkswagen Powertrain Co., Ltd.

联合会议主席：蒋治成 先生，东风汽车公司
Co-chairperson: Mr. Jiang Zhicheng, Dongfeng Motor Corporation

2017APAC-MS-097：机加生产线工位效率提升的探索与实践
— 陈红军 先生，神龙汽车
邀请报告：泄漏检测技术在现代汽车制造业中应用（待定）
— 艾子蔚 先生，天津博益气动股份有限公司总经理
2017APAC-MS-035：The Innovation and Application for Analysis Measurement in Insurance of Completely Car Quality
— 刘攀 先生，北汽奔驰
邀请报告：提升当代请洁度试验水平的方法和措施（待定）
— 夏宗琦，上海永傲精密仪器有限公司总经理
2017APAC-MS-032：铝合金缸体 PCD 铣削刀具钝化应用
— 邢韬，上海大众汽车动力总成有限公司

邀请报告：Dietester 量仪在现代汽车制造业中应用（待定）
— 郭永城，蒂雅泰斯测量仪器（北京）有限公司总经理
2017APAC-MS-082：先进的螺栓拧紧系统在现代汽车生产中的应用
— 曲春红 女士，一汽大众
2017APAC-MS-008：模拟螺钉车及应用
— 王巍 先生，神龙汽车有限公司

2017APAC-MS-097: 机加生产线工位效率提升的探索与实践
— Chen Hongjun, Dongfeng Peugeot Citroen Automobile Co., Ltd.
Invited Report: 泄漏检测技术在现代汽车制造业中应用（待定）
— Mr. Ai Ziwei, BOYI
2017APAC-MS-035: The Innovation and Application for Analysis Measurement in Insurance of Completely Car Quality
— Mr. Liu Pan, Bei Jing Benz Automobile Company
Invited Report: 提升当代请洁度试验水平的方法和措施（待定）
— Xia Zongqi, 上海永傲精密仪器有限公司总经理
2017APAC-MS-032: 铝合金缸体 PCD 铣削刀具钝化应用
— 邢韬, 上海大众汽车动力总成有限公司
Invited Report: Dietester 量仪在现代汽车制造业中应用（待定）
— 郭永城, 蒂雅泰斯测量仪器（北京）有限公司总经理
2017APAC-MS-082: The advanced bolt tightening system is widely used in modern automobile production
— Ms. Qu Chunhong, FAW-VOLKSWAGEN
2017APAC-MS-008: Simulate-screwcar and Application
— Mr. Wang Wei, Dong Feng-Peugeot Citroen Automobile co., LTD

MT2：节能与新能源汽车智能制造技术
Energy Saving and New Energy Vehicle Intelligent Manufacturing Technology

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：邹恒琪 女士，东风汽车公司副总工程师
Chairperson: Ms. Zou Hengqi, Vice Chief Engineer, Dongfeng Motor Corporation

邀请报告：新能源汽车电驱动系统制造技术难点及产业化路径
— 蔡蔚 博士，精进电动
邀请报告：碳纤维汽车零部件设计与制造技术
— 张保平 先生，康得复合材料有限责任公司
邀请报告：燃料电池汽车氢的制取、存贮与运输技术
— 程寒松 教授，中国地质大学
邀请报告：DCT 轴齿制造关键技术
— 高志勇 先生，一汽技术中心
2017APAC-MS-052：基于无限与客户同步理念的汽车总装智能物流解决策略
— 王红 女士，东风汽车有限公司东风日产乘用车公司
2017APAC-MS-047：面向工业 4.0 的网络化生产现场制造质量实时监控系统的应用研究
— 姜海峰 先生，库道斯软件科技（上海）有限公司
2017APAC-MS-028 :Development of Intelligent Casting Technology-Visualization and Exper System for Casting
— Jinan Hongyi，东风汽车公司技术中心
2017APAC-MS-075：汽车制造中的智能激光解决方案
— 纪江华 先生，通快（中国）有限公司
邀请报告：Development of Vehicle Seat Rail Forming Process using 1180 MPa UHSS

－ Choon-man Lee，Changwon National University
邀请报告：基于实验-仿真方法的 ABS 熔融沉积打印材料本构性能研究
－ 夏阳 博士，大连理工大学

Invited Report: 新能源汽车电驱动系统制造技术难点及产业化路径
－ Mr. Cai Wei, Jing-Jin Electric Technologies Co., Ltd.
Invited Report: 碳纤维汽车零部件设计与制造技术
－ Mr. Zhang Baoping, Kangde Composites Co., Ltd.
Invited Report: 燃料电池汽车氢的制取、存贮与运输技术
－ Prof. Cheng Hansong, China University of Geosciences
Invited Report: Key Manufacturing Technology of DCT Gear
－ Mr. Gao Zhiyong, China FAW Co., Ltd., R&D Center
2017APAC-MS-052: Intelligent Vehicle Assembly Logistics Solutions Based on the Concept of Infinite Synchronization with Customers
－ Ms. Wang Hong, Dong Feng Nissan Passenger Vehicle Company
2017APAC-MS-047: Research on the application of real time monitoring system for manufacturing quality of industrial production based on industrial 4.0
－ Mr. Jiang HaiFeng, Q-DAS Software Technology (Shanghai) Co., Ltd.
2017APAC-MS-028: Development of Intelligent Casting Technology-Visualization and Exper System for Casting
－ Jinan Hongyi, Dongfeng Motor Corporation Technical Center
2017APAC-MS-075: Intelligent Laser Solutions for Automotive Manufacturing
－ Mr. Joe Ji, TRUMPF (China) Co., Ltd.
Invited Report: Development of Vehicle Seat Rail Forming Process using 1180 MPa UHSS
－ Choon-man Lee, Changwon National University
Invited Report: Investigation of acrylonitrile butadiene styrene (ABS) materials fabricated by fused deposition modeling with experimental-numerical method
－ Dr. Xia Yang, Dalian University of Technology

NVH、动力学、轮胎、技术管理、商业模式及其他主题分会场议题

Sub-Sessions on NVH, Dynamics, Tyre, Management, and Business Model and Other topics

1. 新能源汽车NVH-问题、挑战与趋势
   NVH of Hybrid and Electric Vehicles - Issues, Challenges and Trends
2. 整车NVH
   NVH Technology
3. 汽车声品质-评价与设计
   Vehicle Sound Quality – Evaluation and Design
4. 汽车风噪性能分析和控制技术
   Automotive Wind Noise Performance Analyses and Control Technologies
5. 汽车动力学性能和品质
   Vehicle Dynamics Performance and Quality
6. 院士论坛-轮胎匹配及智能轮胎
   Academician Forums: Tyre Matching and Intelligent Tyre
7. 汽车产业与技术管理
   Automotive Industry & Technology Management
8. 企业管理及产品开发
   Enterprise Management and Product Development
9. 技术路线及商业模式
   Technical Route and Business Model
10. 车辆智能化场景评价与应用
    Evaluation and Application of Vehicle Intelligent Scene
11. 商用车节能关键技术研讨会
    Seminar on Key Technologies of Commercial Vehicles
12. 东亚地区Fisita学会间合作与价值挖掘研讨会
    Increased Cooperation and Value Addition among ASEAN region based FISITA Societies

H01：新能源汽车 NVH-问题、挑战与趋势
NVH of Hybrid and Electric Vehicles - Issues, Challenges and Trends

时间及地点：10 月 25 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：顾鹏云 博士，吉利汽车研究院资深总工程师
Chairperson: Dr. Gu Pengyun, GEELY Automobile R&D Center, Senior Chief Engineer

简介/ Introduction:

随着环保意识的增强和相关法规的日益严格，混动、插电式混动和纯电动汽车等新能源汽车日益成为全球汽车工业界未来发展的重点方向，新能源汽车的发展给 NVH 开发带来了新问题、新挑战和新的发展趋势。这些 NVH 新问题新挑战与新趋势有哪些？如何高效地解决驱动电机或混合动力驱动系统的高频电磁噪声等全新 NVH 问题？如何应对诸如并联式或功率分流型等不同混动构型的 NVH 问题以确保整车 NVH 性能的达成？新能源汽车相关电控系统的控制策略变更会对 NVH 性能带来哪些影响？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。

The automotive industry is rapidly expanding its Hybrid, Plug-in Hybrid and Electric Vehicles in response to meet the increasing environmental demands and stringent regulatory requirements, causing new issues, challenges and trends in the NVH aspects of the Hybrid and Electric Vehicles. What are these issues, challenges and trends? How to suppress the high frequency electromagnetic noise related to motor/hybrid power unit effectively and efficiently? How to deal with the NVH issues in different hybrid architectures such as parallel or powersplit? What are the effects of the control strategy on the NVH performance? This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- 新能源汽车对 NVH 的新挑战与新发展趋势
- 电/混动驱动系统噪声的特征和控制
- 功率分流构型混合动力汽车的 NVH 开发
- 高性能纯电驱动平台的 NVH 开发
- 混合动力汽车整车 NVH 开发经验谈
- Issues, challenges and trends in the NVH aspects of hybrid and electric vehicles
- NVH issues related to motor/hybrid power unit- Characteristics and Control
- NVH engineering of hybrid Vehicles with powersplit architectures
- NVH engineering of high performance electric vehicles
- Lessons learnt in NVH engineering of hybrid vehicle

演讲嘉宾/ Speakers

新能源汽车 NVH 的新问题、新挑战与新发展趋势
– 顾鹏云 博士，吉利汽车研究院，资深总工程师
高性能纯电驱动平台及其 NVH 开发
– 许力文 博士，蔚来汽车电驱动系统部，杰出专家
电动汽车 NVH 解析
– 方华 博士，北京新能源汽车股份有限公司工程研究院总师
新能源汽车整车 NVH 开发
– 杨明辉 先生，中国汽车技术研究中心，高级工程师
新能源汽车驱动电机系统 NVH 开发与整车匹配
– 孔祥杰 博士，长安汽车工程研究总院 NVH 中心，电气及新能源 NVH 室室主任
整车电动总成 NVH 开发
– 祝丹晖 博士，比亚迪汽车科长
交通变革-未来声学的新挑战

— Jean-François Rondeau 博士，佛吉亚声学及软内饰全球技术与标准经理，NVH 专家

Issues, Challenges and Trends in the NVH Aspects of Hybrid and Electric Vehicles
— Dr. Gu Pengyun, GEELY Automobile R&D Center, Senior Chief engineer
NVH Engineering of High Performance Electric Vehicle
— Dr. Ken Xu, E-Drive System, NextEV, Executive Expert
NVH Resolving on EV
— Dr. Fang Hua, Engineering Research Institute of Beijing Electric Vehicle Co,Ltd, Chief engineer
Experience in NVH Engineering of Hybrid Vehicle and Electric Vehicle
— Mr. Yang Minghui, China Automotive Technology & Research Center, Senior engineer
Vehicle Level Engineering in the NVH Issues of Electric and Hybrid Powertrain
— Dr. Kong Xiangjie, Changan Auto Global R&D center, NVH Center, Engineering Supervisor
Vehicle Level NVH Engineering of Electric Powertrain
— Dr. Zhu Danhui, BYD Auto Industry Company, Auto Engineering Research Institute, Senior Engineer
New mobility, a challenge for the Acoustic of the Future
— Dr. Jean-François Rondeau, Acoustics and Soft Trim, Global Technology & Standards Manager, NVH Expert, Faurecia.

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

H02：汽车声品质-评价与设计
Vehicle Sound Quality – Evaluation and Design

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：张军 博士，长安欧尚汽车研究院性能开发业务部
Chairperson: Dr. Zhang Jun, Changan Oushang Auto R&D Institude, Vehicle Performance Development Department

简介/ Introduction:

近年来，消费者对车内声学环境要求日益提升，汽车声品质的评价与设计成为汽车 NVH 开发的重要方向，声品质评价标准层出不穷，主动降噪、主动发声和声音主动均衡设计等整车声品质控制与设计技术迅速发展。如何设定科学的声品质评价方法与评价标准？主动降噪、主动发声技术的新成果新趋势与挑战有哪些？如何进行针对阶次噪声实施主动均衡控制？动力系统声品质、传动系统声品质等车辆子系统声品质研发有哪些进展？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.

The evaluation and design of the sound quality are now be of more importance to automotive NVH engineers and scholars due to the increasing customer requirements for the interior sound environment. Varieties of index and evaluation methods of the vehicle sound quality have been proposed. Vehicle sound quality design and control technics such as Active Noise Control (ANC) and Active Sound Control (ASC) are booming. How to design the evaluation method and index properly and accurately? What are the achievements, trends and challenges in ANC and ASC technics? How to make an active equalization control for order sound in vehicles? What are the up-to-date achievements in system level sound quality control such as powertrain system? This session will invite experts and scholars at home and abroad to discuss the relevant issues.

议题/Topics:

- 汽车声品质评价方法与评价标准
- 动力声品质开发
- 车辆主动降噪与主动发声-进展、挑战与新趋势
- 车内阶次声的主动均衡控制

- Vehicle sound quality - Index and evaluation methods
- Powertrain sound quality in
- Achievements, trends and challengers in ANC and ASC technics
- Active equalization control for order sound in vehicles

演讲嘉宾/ Speakers

汽车声品质工程开发方法与实践
— 张军 博士，长安欧尚汽车研究院性能开发业务部
车内阶次声的主动均衡控制
— 郑四发 教授，清华大学，清华大学苏州汽车研究院副院长
动力声品质相关
— 李宏成 先生，长安汽车工程研究总院，NVH 中心主任工程师
题目待定
— 谢菠荪 教授，华南理工大学（邀请中）
减振技术革新-离心摆式吸振器
— 陈相滨 博士，舍弗勒贸易（上海）有限公司离合系统业务单元高级总监

Process and Practice of Automotive Sound Quality Engineering Development
— Dr. Zhang Jun, Changan Oushang Auto R&D Institude, Vehicle Performance Development Department
Active Equalization Control for Order Sound in Vehicles
— Prof. Zheng Sifa, Suzhou Automotive Research Institute, Tsinghua University, Vice-president
Sound Quality in Powertrain
— Mr. Li Hongcheng, NVH Center, Changan Auto Global R&D Center, Staff Engineer
TBD
— Prof. Xie BoSun, South China University of Technology(TBD)
Innovation of Damping Technology-Centrifugal Pendulum Absorber
— Dr. Chen Xiangbin, Sr. Director BU Clutch Systems, Schaeffler Trading (Shanghai) Co., Ltd.

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

H03：汽车风噪性能分析和控制技术
Automotive Wind Noise Performance Analyses and Control Technologies

时间及地点：10 月 26 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:00-15:30 Oct. 26, Shanghai Automobile Exhibition Center

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

会议主席：杨志刚 教授，同济大学，千人计划，中国汽车工程学会汽车空气动力学分会名誉主任委员
Chairperson: Prof. Yang Zhigang, Tongji University, Shanghai Automotive Wind Tunnel Center, Thousand Talents Program

联合会议主席：周舟 博士，中国汽车工程研究院副总经理，中国汽车工程学会汽车空气动力学分会主任委员
Co-chairperson: Dr. Zhou Zhou, Vice President, China Automotive Engineering Research Institute Co., Ltd.

简介/ Introduction:

随着车辆速度的不断提高以及其他噪声的有效控制，风噪已成为高速车辆的主要噪声源之一，其与车辆乘坐舒适性息息相关，主机厂和消费者对汽车乘坐舒适性的要求也越来越高，如果汽车风噪水平与汽车

产品的市场定位不匹配，则会严重影响品牌的总体印象及评价。目前，改善汽车乘员舱声学环境，降低车内噪声水平已成为汽车行业研究的热点之一。
本专题分会以“汽车风噪性能分析和控制技术”为主题，通过国内外权威专家主旨演讲和互动讨论的行驶，交流汽车风噪先进测试、仿真和控制技术。

Aerodynamic-noise became one of the most primary noise sources in high-speed vehicles, especially nowadays when the speed of vehicles is rising and effective noise control methods were proposed with respect to other types of noise. Improving cabin acoustic environment and reducing internal noise have been a hot topic of car research in recent years.
The special session uses “automotive wind noise performance analyses and control technologies” 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:

- 汽车风洞风噪测试先进技术
- 汽车风噪仿真与对标先进技术
- 主机厂风噪性能开发流程
- The noise testing technology in the Automobile wind tunnel
- The advanced simulation technology of wind noise
- The acoustic development system in OEM

演讲嘉宾/ Speakers

汽车高品质离不开优越的风噪水平
– 侯杭生 先生，一汽技术中心，NVH 技术总监，千人计划专家
汽车风洞先进声学测试系统
– 王勇 先生，中国汽车工程研究院股份有限公司，汽车风洞中心主任
汽车气动噪声优化设计及降噪技术研究
– 陈羽 博士，同济大学汽车风洞中心风噪测试专家
传祺车型风噪的开发技术
– 徐仰汇 先生，广汽研究院，首席技术总监，主管传祺车型的 NVH 性能开发
风洞声学照相机技术
– Dirk Döbler 先生，德国 Gfai 风噪测试技术总监
High Vehicle Quality Necessitates Superior Wind Noise Performance
– Mr. Hou Hangsheng, China FAW Group Corpration R&D Center, NVH Director
Advanced Acoustic Test System for Automotive Wind Tunnel
– Mr. Wang Yong, Automotive Wind Tunnel Center Director, China Automotive Engineering Research Institute Co., Ltd.
Study on Aerodynamic Noise Optimization Design and Noise Reduction Technique of Automotive
– Mr. Chen Yu, Wind Noise Test Expert, Automotive Wind Tunnel Center, Tongji University
Development of Wind Noise of Trumpchi Vehicle
– Mr. Xu Yanghui, Guangzhou Automobile Group Co., Ltd., Automotive Engineer Institute
The Acoustic Camera in the Wind Tunnel
– Mr. Puhle, Gfai tech GmbH

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

HT1：整车 NVH
NVH Technology

时间及地点：10 月 25 日 16:00-18:00，上海汽车会展中心
Date & Venue: 16:00-18:00 Oct. 25, Shanghai Automobile Exhibition Center

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

2017APAC-NVH-052：基于全局传递率矩阵的相对传递路径分析方法及其在轿车车身振动分析中的应用
— 王增伟 博士，上海交通大学
2017APAC-NVH-038：改进的 CMS 方法在汽车子结构中的运用
— 毛华兵 博士，广汽研究院
2017APAC-NVH-043：基于 TPA 方法的某 SUV 车型后门抖动问题研究
— 张峰 先生，重庆长安汽车股份有限公司
2017APAC-NVH-004：Parameter Study and Improvement of Gearbox Whine Noise in Electric Vehicle
— Zhang Shouyuan，清华大学
2017APAC-NVH-009：基于自适应陷波滤波器的车内主动消声系统稳健性设计
— 赵英龙 先生，同济大学
2017APAC-NVH-013：Six-sigma Robust Optimization on the NVH Performance of the CRFM Based on Isight
— Liu Lin，Changan Automotive Engineering Institute
2017APAC-NVH-010：基于联合国 51 号 03 系列法规噪声限值的 M3 类客车亚分类研究
— 谢东明 先生，中国汽车技术研究中心
2017APAC-NVH-054：一种全新的反摩擦异响结构研究
— 吴德俊，长安汽车股份有限公司汽车工程研究总院
邀请报告：Process of Enhancing Booming Noise Performance by Using Structure-Acoustic Cavity Decoupling Method
— Ping-Kuo Tseng 先生，Honda R&D Co., Ltd. Automobile R&D Center

2017APAC-NVH-052: Relative Transfer Path Measures Based on Global Transmissibility and its Application in Auto-Body NVH Analysis
— Dr. Zengwei Wang, Shanghai Jiao Tong University
2017APAC-NVH-038: An Improved Method of CMS and Applied into Calculation of Vehicle's Substructure
— Dr. Mao Huabing, The Automotive Engineering Institute of Guangzhou Automobile Group Co., Ltd. (GAC ENGINEERING)
2017APAC-NVH-043: Research on Vehicle Rear Door Shake of a Certain SUV Based on TPA
— Mr. Zhang Feng, Chongqing Changan Automobile Co., Ltd
2017APAC-NVH-004: Parameter Study and Improvement of Gearbox Whine Noise in Electric Vehicle
— Zhang Shouyuan, Tsinghua University
2017APAC-NVH-009: Robust Design of Active Vehicle Interior Noise Control System Based on Adaptive Notch Filter
— Mr. Zhao Yinglong, Tongji University
2017APAC-NVH-013: Six-sigma Robust Optimization on the NVH Performance of the CRFM Based on Isight
— Liu Lin, Changan Automotive Engineering Institute
2017APAC-NVH-010: Research on the Sub-Categories of M3 Buses and Coaches Based on Limit Values of UN Regulation No. 51-03
— Mr. Xie Dongming, China Automotive Technology and Research Center
2017APAC-NVH-054: Research on A New Anti- Friction-Squeak Structure
— Wu Dejun, Chongqing Changan Auto R＆D Center
Invited Report: Process of Enhancing Booming Noise Performance by Using Structure-Acoustic Cavity Decoupling Method

- Mr. Ping-Kuo Tseng, Honda R&D Co., Ltd. Automobile R&D Center

HT1：悬架与道路 NVH
Suspension and Road NVH

时间及地点：10 月 26 日 10:30-12:00，上海汽车会展中心
Date & Venue: 10:30-12:00 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：危银涛 教授，清华大学
Chairperson: Prof. Wei Yintao, Tsinghua University

邀请报告：胎/路耦合振动噪声研究
- 危银涛 教授，清华大学

2017APAC-NVH-011：A Study on the Relationship Among Several Friction Induced Instability Mechanisms Based on Multi-Point Contact Nonlinear Dynamical Friction Induced Vibration Model
- Zhang Zhuang，同济大学

2017APAC-NVH-028：Road Noise Prediction Based on FRF-Based Substructuring Method
- Xu Jingchao，广州汽车集团汽车工程研究院

2017APAC-NVH-029：The Analysis of a Sound Generating Mechanism for Tire Pattern Groove Air Pumping by CFD
- Zhou Haichao，江苏大学

2017APAC-NVH-036：基于两级模型的整车低频路噪结构声控制及工程应用
- 贾小利，重庆长安汽车股份有限公司汽车工程研究总院

2017APAC-NVH-048：Optimization Analysis on Full Vehicle Road Noise Based on Substructure Frequency Response Function
- Yan Zhang，广州汽车集团汽车工程研究院

Invited Report: 胎/路耦合振动噪声研究
- Prof. Wei Yintao, Tsinghua University

2017APAC-NVH-011: A Study on the Relationship Among Several Friction Induced Instability Mechanisms Based on Multi-Point Contact Nonlinear Dynamical Friction Induced Vibration Model
- Zhang Zhuang, Tongji University

2017APAC-NVH-028: Road Noise Prediction Based on FRF-Based Substructuring Method
- Xu Jingchao, Guangzhou Automobile Group Automotive Engineering Institute

2017APAC-NVH-029: The Analysis of a Sound Generating Mechanism for Tire Pattern Groove Air Pumping by CFD
- Zhou Haichao, Jiangsu University

2017APAC-NVH-036: Control and Application of Vehicle low-frequency Structural Borne Road Noise based on Two Levels Model
- Jia Xiaoli, Changan Auto Global R&D Center

2017APAC-NVH-048: Optimization Analysis on Full Vehicle Road Noise Based on Substructure Frequency Response Function
- Yan Zhang, Guangzhou Automobile Group Co., LTD Automotive Engineering Institute

B01：汽车动力学性能和品质
Vehicle Dynamics Performance and Quality

时间及地点：10 月 25 日 13:00-15:30，上海汽车会展中心
Date & Venue: 13:30-15:30 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：管欣 教授，吉林大学汽车研究院院长

Chairperson: Prof. Guan Hsin, Head of Automotive Research institute, Jilin University

联合会议主席：詹军 教授，吉林大学汽车仿真与控制国家重点实验室
Co-chairperson: Prof. Zhan Jun, State key Laboratory of Automotive Simulation and Control, Jilin University

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客观评价技术，讨论主客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.

演讲嘉宾/ Speakers

基于虚拟试验场的汽车动力学性能开发
– 管欣 教授，吉林大学汽车研究院院长
智能驾驶中的舒适性控制
– 杨万安 博士，泛亚汽车技术中心汽车动力学性能高级经理
– 陈嘉全 博士，一汽技术中心汽车动力学性能千人计划专家
– 杨荣山，广州汽车公司工程研究院
Development of Vehicle Dynamics Based on Cyber Proving Ground
– Prof. Guan Hsin, Head of Automotive Research institute, Jilin University
Comfort Control in Intelligent Vehicle
– Dr. Yang Wanan, Manager, Vehicle Dynamics Department, PATAC
– Dr. Chen Jiaquan, Expert, Vehicle Dynamics Performance, R&D of FAW
– Yang Rongshan, R&D Center of Guangzhou Automobile Company

形式/Format

- 演讲 25 分钟/人 Presentations by the speakers, 25 minutes each
- 互动讨论 Panel discussion（30min）

BT1：汽车动力学性能与品质
Vehicle Dynamics Performance Quality

时间及地点：10 月 25 日 16:00-18:00，上海汽车会展中心
Date & Venue: 16:00-18:00 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：管欣 教授，吉林大学
Chairperson: Prof. Guan Xin, Jilin University, Head of Automotive Research Institute, Jilin University

联合会议主席：詹军 教授，吉林大学
Co-chairperson: Prof. Zhan Jun, State Key Laboratory of Automotive Simulation and Control, Jilin University

2017APAC-CIT-023：基于轮速传感器的再生制动系统轮缸压力估算算法研究
— 李学林 先生，吉林大学
2017APAC-CIT-019: A Study on the Light Weight Design for Rear CTBA Using Topology Optimization
— Jung Kim 先生，HWASHIN
2017APAC-CIT-028：线控四轮独立转向电动车转向模式切换控制
— 罗凤梅 女士，同济大学
2017APAC-CIT-034：汽车摆臂后衬套有限元分析及优化
— 胡斌 先生，成都孔辉汽车科技有限公司
2017APAC-CIT-048: Generated Axial Force Analysis of Tripod Shudderless Type Constant Velocity Joint Based on Detailed Friction Characteristics
— TAEKYUM KIM 先生，Seoul National University
2017APAC-CIT-053：基于 3D 数字路面的整车耐久性能评价方法研究
— 孙成智 博士，上海汽车集团股份有限公司技术中心
2017APAC-CIT-067：基于非线性卡尔曼滤波的汽车稳定性状态估计研究
— 裴晓飞 博士，武汉理工大学
2017APAC-CIT-023: Research on the Estimation Algorithm of Wheel Cylinder Pressure Based on Wheel Speed Sensor for Regenerative Braking System
— Mr. Li Xuelin, Jilin University
2017APAC-CIT-019: A Study on the Light Weight Design for Rear CTBA Using Topology Optimization
— Mr. Jung Kim, HWASHIN
2017APAC-CIT-028: Steering Mode Switch Control of Four Wheel Independent Steering Electric Vehicle
— Ms. Luo Fengmei, Tongji University
2017APAC-CIT-034: A Study on Finite Element Analysis and Optimization of Rear Bush of Vehicle Lower Control Arm
— Mr. Hu Bin, KH Automotive Technologies (Chengdu) Co., Ltd.
2017APAC-CIT-048: Generated Axial Force Analysis of Tripod Shudderless Type Constant Velocity Joint Based on Detailed Friction Characteristics
— Mr. TAEKYUM KIM, Seoul National University
2017APAC-CIT-053: Study on Assessment of the Vehicle Durability Performance Based on the 3D Virtual Proving Ground
— Dr. Sun Chengzhi, SAIC Motor Technical Center
2017APAC-CIT-067: Research on State Estimation of Vehicle's Dynamic Stability Based on the Nonlinear Kalman Filte
— Dr. Pei Xiaofei, Wuhan University of Technology

A01：院士论坛-轮胎匹配及智能轮胎
Academician Forums: Tyre Matching and Intelligent Tyre

时间及地点：10 月 24 日 13:30-18:00，上海汽车会展中心
Date & Venue: 13:30-18:00 Oct. 24, Shanghai Automobile Exhibition Center

会议主席：郭孔辉 教授，中国工程院院士，吉林大学汽车工程学院名誉院长
Chairperson: Prof. Guo Konghui, CAE Academician, Honorary Chairperson of Automotive Engineering College, Jilin University

联合会议主席：卢荡 教授，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
Co-chairperson: Prof. Lu Dang, Director of Tire Dynamics Group, State Key Laboratory of Automotive Simulation and Control, Jilin University

简介/ Introduction:

轮胎匹配的重要性已得到普遍共识，越来越多的企业在此领域投入了大量的研发资源。整车企业有什么需要？底盘开发中轮胎的重要性？轮胎企业的研发重点？这些问题仍需要业界同仁共同讨论。
智能化时代扑面而来，汽车智能网联已是行业热点，提出智能轮胎也有十几年时间了，本次论坛将分享智能轮胎发展的现状、研发的难点等普遍关注的问题。

The importance of tire matching has been generally agreed, more and more enterprises in this area invested a lot of R & D resources. What are the needs for vehicle companies? What is the importance of tires in chassis development? What are tire business research and development focus on? These issues still need industry colleagues to discuss.
As intelligent era blowing, the automotive intelligent network is the industry hot and intelligent tires put forward have been more than ten years. Thus, this forum will share the status of the development of intelligent tires, R & D difficulties and other issues of general concern.

议题/Topics:

- 轮胎建模技术
- 智能轮胎力学理论
- 智能轮胎的传感器技术及系统解决方案
- 轮胎与汽车的匹配技术
- 3D 数字道路建模技术
- Tire modeling technology
- Intelligent Tire Mechanics Theory
- Intelligent tire sensor technology and system solutions
- Tire and vehicle matching technology
- 3D digital road modeling technology

演讲嘉宾/ Speakers

不同速度下轮胎力学特性统一建模
– 郭孔辉 教授，中国工程院院士，吉林大学汽车工程学院名誉院长
轮胎的抗湿滑性能
– 王梦蛟 博士，怡维怡橡胶研究院
轮胎的振动模态仿真技术与实践
– 冯希金 博士，总监，赛轮金宇集团股份有限公司
智能轮胎力学基础
– 卢荡 博士，教授，吉林大学汽车仿真与控制国家重点实验室
轮胎动力学在汽车开发中的作用
– 史建鹏 先生，总监，东风汽车集团股份有限公司技术中心
路面重构技术研究及应用
– 邝国华 博士，董事，广东合微集成电路技术有限公司
汽车轮胎中的 MEMS 传感器技术
– 丁飞 博士，中国汽车工程研究院股份有限公司
制动模拟瞬态 MF-Tire / MF-Swift 参数识别优化
– Willem Versteden 先生，产品经理，TASS International

Unified Modeling of Tire Mechanical Characteristics at Different Speeds

- Prof. Guo Konghui, CAE Academician, Honorary Chairperson of Automotive Engineering College, Jilin University

Wet Grip of Tires

- Dr. Wang Mengjiao, Yee Wei Yi Rubber Research Institute

The Simulation of Vibration Mode of a Tire and It's Applications

- Dr. Feng Xijin, President, Sailun Jinyu Group Co., Ltd.

Dynamics Fundamental of Intelligent Tire

- Dr. Lu Dang, Professor, State Key Laboratory of Automotive Simulation and Control, Jilin University

The Role of Tire Dynamics in Automobile Development

- Mr. Shi Jianpeng, President, Dongfeng Motor Group Co., Ltd.

MEMS Sensor Technology in Automotive tires

- Dr. Edwin K W Kwong, Director, Guangdong Hiway Integrated Circuit Technology Co., Ltd.

Research and Application on the Technology of Road Reconstruction

- Dr. Ding Fei, China Automotive Engineering Research Institute Co., Ltd.

Improved Identification of Transient MF-Tyre/MF-Swift Parameters for Braking Simulations

- Mr. Willem Versteden, Product Manager Delft-Tyre, TASS International

形式/Format:

- 技术演讲 25 分钟/人 Presentations by the speakers, 25 minutes each
- 互动讨论 Panel discussion（40min）

Q01：汽车产业与技术管理
Automotive Industry & Technology Management

时间及地点：10 月 24 日 13:30-18:00，上海汽车会展中心
Date & Venue: 13:30-18:00, Oct. 24, Shanghai Automobile Exhibition Center

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

联合会议主席：刘宗巍副教授，清华大学汽车产业与技术战略研究院
Co-chairperson: Asso. Prof. Liu Zongwei, Tsinghua Automotive Strategy Research Institute (TASRI)

主题：产业深度变革与企业应对策略
Theme: Profound Industrial Revolution and for Coping Strategy for Enterprises

协办单位：中国汽车工程学会技术管理分会
Co-organizer: Technology & Management Committee of SAE-China

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.

演讲嘉宾/ Speakers

智能交通系统与智能汽车
– 谢飞 先生，中国汽车工程研究院股份有限公司副总经理
能源革命前景下的发动机技术发展
– 李康 博士，一汽集团技术中心副总工程师
万物互联时代的汽车后市场
– 冒祖怡 先生，安永大中华区汽车行业主管合伙人
新变局下的汽车产品管理
– 马钧 教授，同济大学汽车学院副院长
产业深度变革期的企业应对策略思考
– 何伟 先生，盖斯特咨询公司总裁
汽车网联化与客户服务升级
– 殷建红 先生，翼卡车联网 CEO

Intelligent Transport Systems and Intelligent Connected Vehicles
– Mr. Xie Fei, Deputy General Manager, China Automotive Engineering Research Institute Co., Ltd.
IC Engine Technology Development on the Background of Energy Revolution
– Dr. Li Kang, Vice Chief Engineer, FAW R&D Center
Insight of Automotive After-Sale Market in the Age of Internet
– Mr. Peter Mao, Partner and China Automotive Leader in Advisory Services, Ernst & Young (China) Advisory Limited
Big Data and Automotive Innovative Product Management
– Prof. Dr.-Ing. Ma Jun, Tongji University
Thinking on Enterprises' Coping Strategy in the Period of the Profound Industrial Revolution
– Mr. He Wei, CEO of GAST Strategy Consulting, LLC
VIDEO E-CALL Makes Driving Safer
– Mr. Jianhong Yin, CEO of Ecar Telematics

形式/Format

- 嘉宾演讲（约 25 分钟/人）·Presentations by the speakers(about 25 minutes each)
- 茶歇（约 30 分钟）·Coffee break (about 30 minutes)
- 互动讨论（约 30 分钟）·Panel discussion(about 30 minutes)

QT1：企业管理及产品开发
Enterprise Management and Product Development

时间及地点：10 月 25 日 08:30-09:45，上海汽车会展中心
Date & Venue: 08:30-09:15 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：刘宗巍副教授，清华大学汽车产业与技术战略研究院
Chairperson: Asso. Prof. Liu Zongwei, Tsinghua Automotive Strategy Research Institute (TASRI)

2017APAC-TM-049：NX 创新设计模型在新能源汽车开发模糊前期的应用
— 肖宁 先生，广汽丰田汽车有限公司
2017APAC-ICV-014: Datums and Datum System for Complex Component
— Yan Yiqing 女士，Mercedes-Benz Cars, Daimler AG, Germany
邀请报告：基于 SysML 语言的需求建模及验证方法
— 喻超 先生，泛亚汽车技术中心有限公司
2017APAC-TM-048：CAFC、NEV 双积分政策情景下典型企业的达标策略研究
— 袁因硕 先生，清华大学
2017APAC-TM-024：自动驾驶关键技术发展趋势综述
— 匡旭 先生，清华大学
2017APAC-TM-049: Application of NX Innovative Design Model in the Fuzzy Front End Period of NEV Development
— Mr. Xiao Ning, Gac Toyota Motor Co., Ltd.
2017APAC-ICV-014: Datums and Datum System for Complex Component
— Ms. Yan Yiqing, Mercedes-Benz Cars, Daimler AG, Germany
Invited Report: Requirements Modelling and Verification Method Using SysML
— Mr. Yu Chao, Pan Asia Technical Automotive Center Co., Ltd.
2017APAC-TM-048: Scenario Analysis of Typical Automakers' Strategy to Meet Dual-credit Regulations of Cafc and NEV
— Mr. Yuan Yinshuo, Tsinghua University
2017APAC-TM-024: An Overview of the Development Trend of Autonomous Driving Key Technologies
— Mr. Kuang Xu, Tsinghua University

QT2：技术路线及商业模式
Technical Route and Business Model

时间及地点：10 月 25 日 09:55-11:40，上海汽车会展中心
Date & Venue: 09:55-11:40 Oct. 25, Shanghai Automobile Exhibition Center

会议主席：郝瀚博士，清华大学
Chairperson: Dr. Hao Han, Tsinghua University

2017APAC-TM-014：中国电动物流车商业模式研究
— 吴小员 女士/副教授，同济大学
2017APAC-TM-016：基于计量经济学模型的武汉市汽车保有量预测
— 王明锐 先生，东风汽车公司技术中心
2017APAC-TM-035：基于聚类分析的西安城市公交线路工况构建
— 任田园 先生，长安大学
2017APAC-TM-040：中国汽车分时租赁商业模式的现状、特点及建议
— 陈铭 先生，清华大学
邀请报告：基于 LCA 的汽车产业链生态效益评价系统开发与应用
— 陈轶嵩 博士，长安大学
2017APAC-TM-014: Research on Business Model of Electric Logistics Vehicles in China
— Ms. Wu Xiaoyuan, Tongji University
2017APAC-TM-016: Prediction of Vehicle Population in Wuhan Based on Model of Econometrics
— Mr. Wang Mingrui, Dongfeng Motor Corporation Technical Center

2017APAC-TM-035: Driving Cycle Construction of Xi'an Bus Line Based on Cluster Analysis

- Mr. Ren Tianyuan, Chang'an University

2017APAC-TM-040: Time-Sharing Car Lease Business Model in China Current Situation, Features and Suggestion

- Mr. Chen Ming, Tsinghua University

Invited Report: Development and Application of Ecological Benefit Evaluation System for Automobile Industry Chain Based on LCA

- Dr. Chen Yisong, Chang'an University

Q02：车辆智能化场景评价与应用
Evaluation and Application of Vehicle Intelligent Scene

时间及地点：10 月 26 日 08:30-11:40，上海汽车会展中心
Date & Venue: 08:30-11:40 Oct. 26, Shanghai Automobile Exhibition Center

协办单位：汽车数据工场、汽车之友、车辆智能场景评价中心
Co-organizer: SoCar & Auto Fan & Vehicle Intelligence Scenario-based Evaluation (VISE) Centre

会议主席：Silvio Pietro Angori 先生 宾夕法尼亚总裁
Chairperson: Mr. Silvio Pietro Angori, Chief Executive Officer and Chief Operating Officer

联合会议主席：沈克 先生， 中国汽车工程学会副秘书长
Co-chairperson: Mr. Shen Ke, Under-Secretary-General of SAE China

简介/ Introduction:

随着能源变革、智能化、移动出行商业模式升级等多重因素的叠加，汽车产业正发生深刻变革。百年历史的传统汽车企业与新兴互联网企业全面交锋，汽车产品将被重新定义，汽车产业价值链也面临重构。

中国政府 2015 年发布的《中国制造 2025》中明确指出“聚焦新一代信息技术产业”、 “节能与新能源汽车”等战略方向。习近平总书记倡导的“五大发展理念”中也明确提出“绿色发展”及“共享发展”。

一方面，各大传统汽车企业、众多互联网造车品牌以及众多资本，纷纷布局智能网联+新能源汽车。在智能化领域，汽车市场已经开始呈现出大量创新概念。另一方面，我们可以预见，达到真正意义上的无人驾驶状态尚需一段相当长的时间。这意味着汽车产品的智能化会是一段充满创新、颠覆，但道路漫长的变革过程。

在这一轮巨大的产业变革过程中，无论汽车企业还是普通用户，都需要对车辆智能化水平有清晰、准确的评估，也需要基于这些评估做出理性但富有前瞻性的决策。那么这种评估应当如何进行？如何在行业当中普遍应用？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。

As the energy revolution, the coming intelligence era and new business models for mobility services being developed, automotive industry is going through a comprehensive change. Traditional OEMs with hundreds of years of history is facing the challenges from the newly started internet companies. Products will be redefined. The whole value chain of the industry will be reshaped.

Chinese government has published <manufacture in China 2025> in 2015 which clearly stated that "focusing on the new generation of information technologies" and "energy saving and new energy vehicle" are the future strategic directions. Meanwhile Chairperson Xi's "5 major concepts for development" also clearly claimed that "green" and "sharing" are the future development routes.

On one hand, traditional OEMs, internet companies that started their own car brands and many capitals are planning intelligent connectivity + new energy automobiles layout for the future. In the intelligence field, a large amount of innovations were introduced by the automotive market. On the other hand, as we can expect, to arrive to a genuine autonomous world will take a long time. This means that the intelligentization of automotive products will be a revolutionary process which is filled with innovations and subversions.

Within this huge industry revolution, no matter for car companies or normal users, a clear and precise evaluation

for a vehicle's intelligence level is needed. Rational and forward-looking decisions that are based on this evaluation is also required. Then how this evaluation should be carried out? How it can be applied across the industry? These questions will be discussed on special sessions with both Chinese and international experts.

议题/Topics:

- 数据智能在汽车全生命周期的应用
- 奇点来临，AI 驱动智能汽车
- 智能场景评价是推动汽车开发数字化最佳手段
- 互联网造车新势力如何与传统 OEM 的冲突与协作
- 智网驱动-移动出行
- The application of data intelligence in a complete automotive life cycle
- Here comes the 'singular point', future intelligent cars driven by A.I.
- Intelligence Scenario-based Evaluation – the best method for the digitalization of automotive development
- Internet Car Manufacturers and Traditional OEMs: Conflicts and Cooperation
- Driven by intelligence and internet – Mobility

演讲嘉宾/ Speakers

数据智能在汽车全生命周期的应用

– 闫新发 先生，高级算法专家，阿里云事业群

奇点来临，AI 驱动智能汽车

– 沈海寅 先生，奇点汽车创始人、CEO，智车优行科技有限公司（奇点汽车）

智能场景评价是推动汽车开发数字化最佳手段

– 张文杰 先生，汽车数据工场联合创始人、青岛汽车研究院副院长，汽车数据工场车辆智能场景评价中心

互联网造车新势力如何与传统 OEM 的冲突与协作

– 陈效华 博士，新技术研究院常务副院长

智网驱动-移动出行

– 辛克铎 先生，中国联通智网科技有限公司，董事长、总经理

The Application of Data Intelligence in A Complete Automotive Life Cycle

– Mr. Yan Xinfa, Data Scientist, Alibaba Cloud

Here Comes the 'Singular Point', Future Intelligent Cars Driven by A.I

– Mr. Shen Haiyin, Founder and CEO, Singulauto

Intelligence Scenario-based Evaluation – The Best Method for the Digitalization of Automotive Development

– Mr. Zhang Wenjie, Co-founder of So.Car, Vice-president of the Qingdao Automotive Research Institute, So.Car Vehicle Intelligence Scenario-based Evaluation (VISE) Centre

Internet Car Manufacturers and Traditional OEMs: Conflicts and Cooperation

– Dr. Chen Xiaohua, Executive Vice President, New Technology Research Institute of BAIC Group

Driven by intelligence and Internet – Mobility

– Mr. Xin Keduo, President, General Manager, China Unicom Smart Connection Technology Co., Ltd.

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

Q03：商用车节能关键技术研讨会
Seminar on Key Technologies of Commercial Vehicles

时间及地点：10 月 26 日 13:00-15:30，上海汽车会展中心

Date & Venue: 13:00-15:30 Oct. 26, Shanghai Automobile Exhibition Center

会议主席：王小峰 先生，陕西汽车集团有限责任公司副总经理，中国汽车工程学会货运装备技术副主任委员

Chairperson: Mr. Wang Xiaofeng, Vice General Manager, Shaanxi Automobile Group Co., Ltd. and Vice Chairperson of Freight Equipment Technology of China Automotive Engineering Society

简介/ Introduction:

商用车节能减排对于缓解能源和环境压力意义重大。根据测算，一辆重型商用车每年的油耗相当于 60 辆乘用车的总和，氮氧化物的排放量相当于 100 辆乘用车的总和。环保部发布的《2016 年中国机动车环境管理年报》显示，全国重型车排放的氮氧化物和颗粒物占到机动车排放总量的 80%左右。为了推动商用车节能技术的发展，分享国内外节能关键技术的开发与应用经验，本次专题会议将围绕商用车发动机、清洁燃料、轻量化技术、整车优化设计、新能源商用车等节能技术和产品，探讨更科学、更合理的节能技术发展路径，引导低油耗节能车辆的生产和使用，促进商用车企业的技术升级和转型发展。

Commercial vehicle energy saving and emission reduction is of great significance to ease energy and environmental pressure. According to estimates, a heavy-duty commercial vehicle annual fuel consumption is equivalent to the total number of 60 passenger cars, nitrogen oxides emissions equivalent to the sum of 100 passenger cars. Ministry of environmental protection issued the "2016 China automotive environmental management report" shows that the National Heavy Truck emissions of nitrogen oxides and particulates accounted for about 80% of total vehicle emissions. In order to promote the development of commercial vehicle energy saving technology, development and application of key technology to share experience in domestic and international energy saving, this special meeting will focus on the commercial vehicle engine, clean fuel, lightweight technology, new energy vehicle optimization design, commercial vehicles and other energy-saving technologies and products, explore the development path of energy saving technology in a more scientific and rational to guide the production and use of low fuel consumption, energy saving vehicle, promote technological upgrading and transformation of the development of commercial vehicle enterprises.

议题/Topics:

- 商用车柴油发动机节能技术研究
- 商用车清洁燃料的应用与发展
- 燃料电池商用车的应用前景
- 新能源商用车技术的现状与未来
- 混动技术在商用车领域的运用
- 商用车节能效果的测试与评价
- Commercial vehicle diesel engine energy saving technology research
- Application and development of commercial vehicle clean fuel
- Application prospects of fuel cell commercial vehicles
- The present situation and future of new energy commercial vehicle technology
- The application of hybrid technology in commercial vehicle field
- Commercial vehicle energy efficiency test and evaluation

拟邀请演讲嘉宾/ Speakers being invited

重型柴油机节能技术

– 潍柴动力

废气再利用节能技术研究

– 康明斯

发动机及整车排放测试技术研究

– 东风商用车

节能型重卡混合动力关键技术研究

– 陕汽集团

燃料电池商用车技术的应用与示范

– 演讲人待定

电动重卡技术路径研究
– 演讲人待定
我国甲醇燃料的清洁性研究
– 刘生全，国家甲醇汽车专家组专家、陕西省专家组组长、长安大学教授

Energy Saving Technology of Heavy Duty Diesel Engine
– Weichai Power
Research on Energy Saving Technology of Waste Gas Reuse
– Commins
Research on Engine and Vehicle Emission Test Technology
– Dongfeng Commercial Vehicle
Research on Key Technologies of Energy Saving Heavy Truck Hybrid Power
– Shanqi Group
Application and Demonstration of Commercial Vehicle Fuel Cell Technology
– TBD
Research on Technical Path of Electric Heavy Truck
– TBD
Study on the Cleanliness of Methanol Fuel in China
– Liu Shengquan, Expert Group of National Methanol Automotive Expert, Head of The Expert Group of Shaanxi Province, Professor of Chang'an University

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

Q04：东亚地区 Fisita 学会间合作与价值挖掘研讨会
Increased Cooperation and Value Addition among ASEAN region based FISITA Societies

时间及地点：10 月 24 日 13:30-15:30，上海汽车会展中心
Date & Venue: 13:30-15:30 Oct. 24, Shanghai Automobile Exhibition Center

会议主席：Murli Iyer 先生，SAE-International 全球执行顾问，FISITA 北美副主席
Chairperson: Mr. Murli Iyer, Executive Advisor Global of SAE-International, Vice President – Americas (FISITA)

简介/ Introduction:

Asia is emerging as the most potential growth area for automotive growth in future. The Asia- Pacific region is likely to grow by approx. 65% in automotive production by 2020. The mass of production is shifting from developed to the developing world, particularly, 55towards Asia Pacific region.
The top Volume Growth markets are going to be China, India, Thailand, Indonesia, South Korea and Japan among others in the ASEAN region. In addition to the above, ASEAN region currently have automotive societies in Vietnam, Sri Lanka, etc.

However, global automotive industry is undergoing one of the most significant changes in recent years.

While autonomous Vehicles, connected vehicles, shared vehicles, tighter regulations, smart cities etc. are prime focus areas for the developed economies, the ASEAN region is still struggling with challenges viz. pollution, safety, traffic, alternative sources of energy, regulations etc. in addition to the realities of the developed markets. The developed world has had a 40+ years of head-start on conventional pollution, but the developing world has just started addressing them seriously.

Are we as ASEAN based societies ready to face these challenges?

To address these issues, a panel discussion is being proposed where representatives of societies of China, Japan, South Korea, India, and Australia will present and deliberate their view points to increase cooperation among ASEAN based societies just like their counter part in European countries.

演讲嘉宾/ Speakers

- Takao Kubozuka, Executive Director, Society of Automotive Engineers of Japan Inc.
- Prof. Kwang Min Chun, Korea Society of Automotive Engineers
- Dr. Arunkumar M. Sampath, India Society of Automotive Engineers
- Dr. Li Jun, Society of Automotive Engineers of China

形式/Format

- 演讲 20 分钟/人 Presentations by the speakers, 20 minutes each
- 互动讨论 Panel discussion（30min）

Q04-1: APAC 工作会议/APAC Working Conference

技术展览
Technical Exhibition

国内唯一的技术展览
The ONLY professional auto technical exhibition in China

试乘试驾
Test Ride & Drive

地点 Venue:
A NICE CITY 封闭测试区 F-Zone of A NICE CITY

活动计划 Activity Proposal
1. 参观 A NICE CITY Visit “A NICE CITY”
2. 自动驾驶相关功能体验 Functions Experience on automated driving or ADAS

A NICE CITY F1 封闭区域
A NICE CITY 是工信部批准第一个智能网联汽车试点示范区。第一期封闭区域位于上海区嘉定区伊宁路的 F1 赛车场内。
A NICE CITY is the first national ICV pilot zone approved by MIIT. The first-stage closed test zone locates at Formula 1 Circuit, Yining Road, Jiading district, Shanghai.

基本设施支持包括:

Test infrastructures/facilities as following:

• T 字路口、十字路口、高速等多种交通道路类型

• Different road segments: T-junction, intersection, freeway, etc.

• DSRC, LTE-V, WIFI 多种网络 Different communication facilities: DSRC, LTE-V, WIFI

• 北斗、GPS，视频监控全覆盖 Beidou / GPS, CCTV (all covered)

• 模拟隧道、模拟林荫道、模拟加油站、室内停车场等

• Different driving scenarios: simulated tunnel, simulated avenue, simulated gas station, simulated indoor parking lot

试乘试驾权益 Test Ride & Drive Benefits

1. 安排贵司车辆试乘试驾
2. 在年会日程上刊登试乘试驾功能介绍（中英文双语，分别不超过 200 字）
3. 在会议现场设立共用试乘试驾登记处
4. 提供功能展示板 1 块
5. 提供基本设施：桩桶、共用室外登记棚、桌子及椅子、矿泉水
6. A NICE CITY 的活动，组委会提供班车

1. Vehicles from your company can participate in Test Drive
2. Introduction of you test drive vehicle on the Congress Preliminary Program and Final Program (No more than 200 words, bilingual in English and Chinese)
3. Common registration office at conference
4. 1 display board
5. Free infrastructure include road cones, registration tent, table & chair, bottled water
6. Shuttle buses to A NICE CITY are available

注册参会
Registration

		套餐 package	8 月 25 日前交费 Pay before Aug. 25	9 月 30 日前交费 Pay before Sept. 30	9 月 30 日后 After Sept. 30
普通代表 Delegate		1	2800	3300	3800
	会员 Member	1	2200	2500	2800
论文作者 Paper Author & Co-author	非会员 non-member	1	1800	2000	2200
学生 Students*	会员 Member	1	1100	1250	1400
		2	0	0	0
	非会员 non-member	2	200	300	400
团体优惠（3 人及以上） **Group Registration**（no less than 3 persons）		1	2200	2500	2800
展览参观 Technical Exhibition Visit		3	0	0	0
企业参观 Technical Tour			50	50	50

说明Notes：

1. 会代表均需登录会议官网 www.apac19.com.cn 报名注册。
   All delegates are required to register on website: www.apac19.com.cn.
2. 套餐说明 Package instructions：
   - **Package 1：**
     可以参加年会期间所有活动，并包含会议资料、午餐。
     All sessions of APAC19&2017SAECCE enterable, including conference materials and lunches.
   - Package 2：
     可以参加年会期间所有活动，但不包含资料、午餐。
     All sessions of APAC19&2017SAECCE enterable, but not including conference materials and lunches
   - Package 3：
     仅可以参观展览，不可参加会议，不包含资料、午餐。
     Only exhibition area enterable.
3. 银行账户信息：

   国内支付（仅限人民币）(RMB Account)
   开户银行：中国工商银行，北京礼士路支行
   开户名称：中国汽车工程学会
   银行帐号：0200 0036 0908 9072 309
   注明用途：2017 年会+ 参会人姓名（或注册号）
   Bank: Beijing Branch, Industry and Commerce Bank of China

报名网址Registration online
www.apac19.com.cn
会议报名联系人Contacts:
赵昂 女士/ 周伯阳 先生
Ms. Zhao Ang; Mr. Zhou Boyang
Tel.: +86-(0)10-5095 0110/0041
Email：za@sae-china.org; zby@sae-china.org

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: SAECCE+ Delegate's Name

国外支付（仅限外币）(Other Currencies Account)
帐户名称：中国汽车工程学会
开户银行：中国银行总行营业部
账 号：778350040984
Swift: BKCH CN BJ
地 址：北京市西城区复兴门内大街1 号（100818）
注明用途：2017 年会+ 参会人姓名（或注册号）
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: SAECCE+ Delegate's Name

联系方式
Contacts

中国汽车工程学会学术部
Events Department of SAE-China
Tel: +86-(0)10-5095 0040/41/36
Email: LLL@sae-china.org
www.apac19.com.cn
www.sae-china.org