



第十二届国际汽车变速器及驱动技术研讨会  
 THE 12<sup>TH</sup> TM SYMPOSIUM CHINA  
 ICE, (P)HEV AND EV TRANSMISSIONS AND DRIVES  
 2020 08/13-14 中国·上海 SHANGHAI CHINA

初步日程 CONFERENCE AGENDA

上海汽车会展中心 2020.08.13-14

\*演讲顺序及题目可能会有调整

TMC2020 初步日程框架 Preliminary Agenda Structure

	分会场 Room A	分会场 Room B
第一天上午 AM Day One	全体大会 开幕式 & 主题演讲 & 高层互动论坛 Plenary Session Opening Ceremony & Keynote Speeches & Panel Discussion	
第一天下午 PM Day One	小型及轻量化零部件 Compact and Lightweight Components	混合动力变速器与驱动 – 48V/CVT/DCT/DHT、模块化与平台化、功能安全、虚拟载荷谱 Hybrid Transmission and Drive - 48V/CVT/DCT/DHT , Modularity and Platformization, Functional Safety DHT/DCT, Virtual Road Load
	电动汽车 CVT、高速电桥的传动与油封技术 CVT for EV, Transmission and Oil Sealing for High-speed e-Drive	
第二天上午 AM Day Two	电机控制器、控制软件、执行机构 Motor Controller, Control SW, Actuator	BEV 驱动系统 – 平台化战略、多挡与集成电桥开发、模块化及适合中国的电桥、四驱系统、快速换挡 AMT BEV Drive – Platform Strategy, Multi-speed & Integrated e-Axles Development, e-Axle Module & for China, 4WD Clutch, Fast Shifting AMT
	集成式电驱系统润滑与冷却 Lubrication and Cooling for Integrated Drive System	
第二天下午 PM Day Two	混合动力系统 – DHT、混动系统选择、轻混四驱、中国工况及对 PHEV 能耗影响 Hybrid Drive – DHT, Hybrid System Selection, 48V AWD, CLTC (China LDV Test Cycle)	驱动系统 NVH 优化 Drive System NVH Optimization
	全体大会 高层互动论坛 & 创新技术评选与颁奖活动 Plenary Session Panel Discussion & Innovative Technology Voting and Awarding for Voters	

每天上下午各有一次茶歇&参观展览， 第一天提供午餐和招待晚宴， 第二天提供午餐和晚餐。

详细日程见下面

# 08.13 | 上午 AM

全体大会 Plenary Session (08:30-12:35)

08:30-08:35 开幕式及致辞 Opening Ceremony & Address

主旨演讲 Keynote Speech (08:35-11:40)

未来 NEV 和电驱动系统发展战略分析 (国家战略、政策法规、智慧交通与车辆、自主创新) (暂定)  
Analysis on Future NEV and e-Drive System Development Strategies (National Strategy, Policies, ICV, Innovation) (tentative)  
李骏, 中国汽车工程学会理事长, 中国工程院院士, 清华大学教授  
Li Jun, President of China SAE; Academician of China Engineering Academy; Professor of Tsinghua University

定义混合动力专用变速箱产品的方法  
A Methodology for Defining Dedicated Hybrid Transmission Products  
吉利动力研究  
Geely Powertrain Research Institute

待定  
TBD

面向未来的混动变速器技术选择 (暂定)  
Future Hybrid Transmission Selections (tentative)  
蜂巢易创 (邀请中)  
HYCET (being invited)

茶歇和展览参观 Coffee Break & Visit to Exhibition (10:15-10:45)

新能源汽车专用油液完整解决方案  
Shell Fluids Solution for Electrified Vehicle  
壳牌  
Shell

面向不同细分市场的电动化驱动技术路线 (暂定)  
Electrified Drivetrain Technology Roadmaps for Different Market Segments (tentative)  
比亚迪 (邀请中)  
BYD (being invited)

11:40-12:35 高层互动论坛 High-level Panel Discussion

社交午餐 Network Luncheon (12:35-13:30)

# 08.13 | 下午 PM

分会场 Room A (13:30-17:30)

**小型及轻量化零部件**  
Compact and Lightweight Components

**轴类零件轻量化精密成形解决方案**  
Lightweight Precision Forming Solutions for Shaft Parts  
菲尔斯陆达福  
FELSS

**“同步器中国”区域需求与解决方案的比较研究**  
Synchronizing China: Comparative Study of Regional Requirements and Solutions  
贺尔碧格  
HAONENG HOERBIGER

**面向 ISO26262 功能安全的电子驻车锁止系统的设计和开发**  
Design and Development of ISO26262 Functional Safety Oriented e-parking Lock System  
南京美均电子  
Nanjing Meijun Electronic

分会场 Room B (13:30-18:00)

**混合动力变速器 – CVT/DCT/48V、功能安全**  
Hybrid Transmissions - CVT/DCT/48V, Functional Safety

**适用于集成式电动化系统的混动无级变速箱**  
Hybrid CVT Architectures for Transmission-Integrated Powertrain Electrification  
邦奇动力  
PUNCH Powertrain

**面向新兴市场的 DCT 及 48 V 混合动力**  
DCT incl. 48 V Hybridization for Emerging Markets  
FEV

**基于 P2 混动架构的 DCT 功能安全开发**  
The Functional Safety Development of DCT Based on P2 Hybrid  
联合汽车电子  
UAES

茶歇和展览参观 Coffee Break & Visit to Exhibition (15:00-15:30)

**电动汽车 CVT、高速电桥的传动与油封技术**  
CVT for EV, Transmission and Oil Sealing for High-speed e-Drive

**应用于纯电动车的压力钢带式无级变速器的设计与验证**  
Design and Validation of a Pushbelt CVT for Electrified Powertrains  
博世贸易  
Bosch

**应用于新能源汽车的万里扬 ECVT 技术**  
WLY ECVT Technology for Electric Vehicle  
万里扬  
WLY

**恩斯克-面向高速驱动电机的牵引驱动减速机**  
Traction Drive Speed Reducer for High Speed Traction Motor  
恩斯克  
NSK

**ELROSEAL™ - 在新能源汽车高速变速箱应用上具有卓越表现的旋转轴油封**  
ELROSEAL™ - Outstanding Performance Radial Shaft Seals for Nev Gearbox Applications with High Rotational Speeds  
欧科林格  
ElringKlinger

**混合动力 – DHT/DCT、模块化与平台化、虚拟载荷谱**  
Hybrid Drive – DHT/DCT, Modularity and Platformization, Road Load

**致力于现实世界需求—适用于大批量应用的可扩展专用混动变速器系列**  
Dedicated to Real World Requirements – Scalable DHT Design Family for Large-Volume Applications  
麦格纳  
Magna

**适合未来出行场景的动力总成平台**  
Powertrain-platforms for Future Mobility Scenarios  
艾尔维  
IAV

**DHT 同步系统降低 RDE 工况下的排放**  
Edrive Assisted Dedicated Hybrid Transmission Synchronization – Enabling Real-Drive-Emissions  
纬湃科技  
Vitesco Technologies

**基于平台化的深蓝高效混合动力变速器开发**  
“Boost-blue” High Efficiency Hybrid Transmission Development based on Platform  
海马汽车  
HAIMA CAR

**应用于 EV/REEV/DHT 开发的虚拟道路载荷数据技术**  
Application of Virtual Road Load Data (VRLD) for the Development of an EV / REEV / DHT Product Family  
吉泰车辆  
GETEC Vehicle

全体晚宴 Evening Reception Banquet (18:30-20:30)

# 08.14 | 上午 AM

分会场 Room A (08:30-12:30)

电机控制器、控制软件、执行机构  
Motor Controller, Control SW, Actuator

关于 IGBT 的发展及对驱动系统的影响  
The Development of IGBT and its Impact on Drive Systems  
比亚迪 (邀请中)  
BYD (being invited)

车用 SiC 半导体功率模块探索  
SiC Power Module Design and Development in EV Application  
中国科学院电工研究所  
Institute of Electrical Engineering, Chinese Academy of Sciences

待定  
TBD

用于带分离及差速锁止功能的 e-axles 的驱动和润滑系统  
Actuation and Lubrication System for e-axles including Disconnect and Differential Lock  
法雷奥  
Valeo

茶歇和展览参观 Coffee Break & Visit to Exhibition (10:15-10:50)

集成式电驱动系统润滑与冷却  
Lubrication and Cooling for Integrated Drive System

新能源车传动系润滑油技术开发的最新进展  
Advances in Driveline Lubricant Technology for New Energy Vehicles  
路博润  
Lubrizol

乘用车集成化电驱动桥高效润滑解决方案  
Efficient Lubrication Solution for Integrated Electric Drive Axle for Passenger Vehicles  
大庆劳特  
Daqing Letof

用于电动车流体应用的新型合成基础油  
Novel Synthetic Base Oils for Electric Vehicle (EV) Fluids Development  
美孚  
ExxonMobil

新能源汽车集成化传动系润滑油研究  
Study on Lubrication of Integrated Transmission for NEV  
龙蟠科技  
Longpan

分会场 Room B (08:30-12:30)

BEV 驱动 – 平台化战略、多挡与集成电桥开发  
BEV Drive – Platform Strategy, Multi-speed & Integrated e-Axles

电动汽车平台化战略及针对中国市场的考虑  
BEV Platform Strategies and Consideration for Chinese Market  
大众 (邀请中)  
Volkswagen (being invited)

创新的多档位电驱动系统设计  
Innovative Multispeed Electric Drive Unit Design  
里卡多  
Ricardo

高转速多档位集成式电驱动产品创新性系统级开发方法及案例  
Innovative System Approach for High-speed Multi-gear Integrated EDU Development and Case Study  
诺迈士  
Romax

“紧凑型 SUV 电动车变速箱开发  
Development of EV Transaxle for Compact - SUV  
丰田  
Toyota

茶歇和展览参观 Coffee Break & Visit to Exhibition (10:20-10:50)

BEV 驱动 – 模块化及适合中国的电桥、四驱系统、快速换挡 AMT  
BEV Drive – e-Axle Module & for China, 4WD Clutch, Fast Shifting AMT

针对车队进行优化，针对每种车型进行定制 – 创新型 IAV 电驱动桥模块化系统  
Optimized for the Fleet, Customizable for Every Model - the Innovative IAV E-Axle Modular System  
艾尔维  
IAV

应用于中国新能源汽车的法雷奥西门子 eAxle 技术  
Valeo Siemens eAxle for China NEVs  
法雷奥  
Valeo

应用于电动车的双摩擦组式扭矩矢量模块  
Torque Vectoring Module with Dual Clutches for EV  
博格华纳  
BorgWarner

纯电动乘用车两档机械式变速器的快速换挡技术及应用  
Quick Gear-shifting Technique and Application of Two-speed Mechanical Transmission for Electric Passenger Cars  
丰川动力  
Fengchuan Powertrain

社交午餐 Network Luncheon (12:30-13:30)

# 08.14 | 下午 PM

## 分会场 Room A (13:30-16:35)

**混合动力 – DHT、混动系统选择、轻混四驱**  
Hybrid Drive – DHT, Hybrid System Selection, 48V AWD

**上汽第二代插电混动的技术特点和优势**  
Features and Advantages of SAIC 2nd PHEV Technologies  
上海捷能汽车技术有限公司  
SEAT

**青山面向未来电气化混动解决方案研讨**  
Hybrid Solution for Electrification in Future  
重庆青山  
Chongqing Tsingshan

**理想的混合动力系统**  
The Ideal Future Hybrid Powertrain  
浩夫尔动力总成  
hofer Powertrain

**低成本高效率的 BEV 和 48V P4 架构的自冷却电驱系统**  
Autonomous Cooling eDrive System for Lower Cost and Highly  
Efficient BEV and 48V P4  
法雷奥  
Valeo

## 分会场 Room B (13:30-16:25)

**驱动系统 NVH 优化**  
Drive System NVH Optimization

**传动系统的瞬态 NVH 问题与控制策略**  
Transient NVH Problem and Control Strategy of Automotive Driveline  
System  
长安汽车  
Changan

**电驱动总成局部模态特性对噪声影响的研究**  
Research of the Local Modal Characteristic on the Noise Contribution  
of e-powertrain  
吉孚动力  
ATESTEO

**高速集成式三合一电桥的 NVH 技术与展望**  
Development and Prospect of NVH Optimization of High-Speed  
Integrated "3 in 1" e-Axle  
巨一动力  
JEE

**基于驱动系统的 NVH 设计解决方法**  
NVH Design Solutions Methodology based on Driveline  
美国车桥  
AAM

茶歇和展览参观 Coffee Break & Visit to Exhibition (15:25-15:55)

**混合动力 – DHT、中国工况**  
Hybrid Drive – DHT, CLTC (China LDV Test Cycle)

**中国工况及其对 PHEV 能耗的影响分析**  
CLTC and its Impact on PHEV Energy Consumption  
中国汽车技术研究中心有限公司  
China Automotive Technology & Research Center. Co., Ltd.

**面向不同车型需求的 DHT 架构分析**  
Analysis on the DHT Architectures for Different Vehicle Models  
东风汽车  
Dongfeng Motor

**驱动系统 NVH 优化**  
Drive System NVH Optimization

**针对降低噪声目的的齿轮轮辐调整**  
Gear Blank Tuning for Low Noise  
赛玛特  
SMT

16:25-16:35  
**移至分会场 A, 参加互动讨论**  
Move to Room A to attend the Panel Discussion

## 全体大会 Plenary Session (16:35-17:45)

16:35-17:25 **高层互动论坛：关于 BEV 驱动技术的发展战略问题** Panel Discussion: about BEV drive technology development strategy

17:25-17:45 **最深印象创新技术评选活动投票及观众颁奖、听众填写满意度问卷** Innovative Technology voting and awarding for voters

自助晚餐 Buffet Dinner (17:45-19:45)

\* 会议提供中英同声翻译  
\* Chinese and English simultaneous translation service is available.