**2023 Shanghai-Stuttgart-Symposium Agenda**
**第七届上海-斯图加特汽车及动力系统国际研讨会日程**

**Day 1: Dec 7th**
**12月7日（第一天）**

**Crowne Plaza Shanghai Anting**
**上海皇冠颖奕假日酒店**

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| **08:00 - 09:00** | **Registration（Prof. Tongji & Prof. Stuttgart)**<br>**大会签到（同济大学教授，斯图加特大学教授）** | |
| | **Day1: Plenary Opening Session, Host-Prof.XIONG Lu**<br>**第一天：主论坛开幕，主持人-熊璐** | |
| 09:00 - 09:10 | Welcome address: (Tongji University)<br>欢迎致辞（拟邀请）：同济大学 | |
| 09:10 - 09:20 | Welcome address: (University of Stuttgart)<br>欢迎致辞：斯图加特大学<br>Dr. Wolfgang Holtkamp, Senior Adviser International Affairs in the President's Office, either in person or by video message | |
| 09:20 - 09:30 | Welcome Speech: Shanghai Municipal Government<br>欢迎致辞：上海市政府 | |
| 09:30 - 09:40 | Welcome Speech: State Government of Baden-Württemberg<br>欢迎致辞：德国巴登符腾堡州政府<br>Mr.Michael Kleiner, Permanent Secretary at the Ministry of Economic Affairs, Labour and Tourism of the state of Baden-Württemberg | |
| 09:40 - 10:20 | Keynote Speech 1: IM D&R on Automobile and International Cooperation Prospects<br>主旨演讲1：智己汽车研发及国际合作展望<br>GUO Hui, DCTO IM Motors | |
| 10:20-10:50 | **Coffee Break & Photograph 茶歇 & 合影** | |
| 10:50 - 11:30 | Keynote Speech 2: Sustainability and Powertrain Innovation<br>主旨演讲2：可持续性和动力总成创新<br>Prof. Dr-Ing. André Casal Kulzer, Chair of Automotive Powertrain Systems - Managing Director IFS, Chairman of the Board of Management of FKFS | |
| 11:30 - 12:10 | Keynote Speech 3: Analysis of power battery industry under the dual carbon goal<br>主旨演讲3：双碳目标下的动力电池产业分析<br>Prof. WANG Fang, Chief Expert of China Automotive Technology & Research Center | |
| 12:10 -13:40 | **Lunch break & Photograph 午餐** | |
| | **Session 1: Vehicle Dynamics and Intelligent Control**<br>**分论坛主题：整车动力学与智能控制** | **Session 2: Automotive Energy and Powertrain Systems**<br>**分论坛主题：车用能源与动力系统** |
| | **Session : Aerodynamics Analysis and Test Technology,Host-Prof.PANG Jiabing**<br>**分论坛：空气动力学分析与测试技术，主持人-庞加斌** | **Session : Hydrogen Fuel Cell System and Composite Power Supply, Host-Prof.ZHANG Cunman**<br>**分论坛：氢能燃料电池系统与复合电源，主持人-张存满** |
| 13:40-14:10 | 1.1 Cadence CFD Tools and its unique Technologies for Vehicle Aerodynamics Pediction-WU Long, Cadence Cadence CFD 工具的独特技术及其在汽车空气动力学中的应用-武珑，楷登企业管理(上海)有限公司 | 2.1 The investigation of hydrogen-based vehicle propulsion systems at FKFS and IFS -Hans-Jürgen Berner, FKFS<br>斯图加特大学汽车工程学院、汽车工程与车辆发动机研究所氢基汽车推进系统的研究-Hans-Jürgen Berner，斯图加特汽车工程与车辆发动机研究所 |
| 14:10-14:40 | 1.2 Drag Redaction from Geometry Optimization of Vehicle Shape using Gradient-based Adjoint Method - ZHOU Hua, SAIC Volkswagen Automobile Co., Ltd<br>伴随方法用于车辆外形的减阻优化研究-周华，上汽大众汽车有限公司 | 2.2 Polybenzimidazole-based high-temperature proton exchange membranes-Prof.ZHANG, Haining, Wuhan University of Technology<br>基于聚苯并咪唑改性的高温质子交换膜-张海宁, 武汉理工大学 |
| 14:40-15:10 | 1.3 The air drag coefficient of vehicles with road wind considered - LIANG Shengping,VOYAH Automobile Technology Company<br>考虑路面环境风速的汽车风阻系数-梁盛平，岚图汽车科技有限公司 | 2.3 Solutions and Applications of Hydrogen Fuel Cell CHP System-Zhang Chi,Guangdong Horizon New Energy Technologies Co., Ltd.<br>氢能燃料电池热电联供系统解决方案及应用-张弛，广东清能新能源技术有限公司 （清能股份） |
| 15:10-15:30 | **Coffee break -Match Making & Networking 茶歇& 商务配对与交流** | |
| 15::30-16:00 | 1.4 Force Measurement of Active Rear Spoiler system in Automobiles based on Wind tunnel Testing - LIU Huan, GEELY AUTOMOBILE RESEARCH INSTITUTE(NING BO) CO.,LTD<br>汽车主动尾翼系统受力情况的风洞试验测量-刘欢，吉利汽车研究院（宁波）有限公司 | 2.4 Renewable energy coupled with electrolytic water to hydrogen technology-Assoc. Prof. KONG Lingguo, Northeast Electric Power University<br>可再生能源耦合电解水制氢技术-孔令国，东北电力大学 |
| 16:00-16:30 | 1.5 Experimental study on the influence of diffusion-section wall position deviation on flow field in automobile wind tunnel - GENG Zihai, BYD Auto INDUSTRY Co.,LTD<br>扩散段洞壁位置度偏差对汽车风洞流场影响的试验研究-耿子海，比亚迪汽车工业有限公司 | 2.5 Technological innovation promotes hydrogen production technology iteration-MA Jun, Xi'an Longi Hydrogen Technology Co., Ltd<br>科技创新推动制氢技术迭代-马军, 西安隆基氢能科技有限公司 |
| 16:30-17:00 | 1.6 Flow Control of Fan Wake at Open-Jet Closed-Circuit Automotive Wind Tunnel - CUI Wenshi, SAIC Volkswagen Automobile Co., Ltd<br>开口回流式整车风洞风机尾流的流动控制-姜祖啸，上汽大众汽车有限公司 | 2.6 Competently ensuring unadulterated measurement results-Daniel Gerber, SBI<br>有效确保精确的测量结果-Daniel Gerber, SBI |
| **17:30-19:00** | **Dinner**<br>**晚宴** | |

**Day2: Dec 8th**
**12月8日（第二天）**

**Crowne Plaza Shanghai Anting**
**上海皇冠颖奕假日酒店**

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| | **Session: Automobile Chassis and Intelligent Control，Host-Prof.HUANG Yanjun, Prof.Wagner**<br>**分论坛：汽车底盘与智能控制** | **Session : ICE Energy Saving Technology, Host-Prof.DONG Guangyu**<br>**分论坛： 内燃机节能技术，主持人-董光宇** |
| 09:00 - 09:30 | 1.7 Vehicle Dynamics DNA - a development approach for systems engineering - Dr.-Ing.Jens Neubeck, FKFS<br>车辆动力学DNA - 系统工程的开发方法-Jens Neubeck，斯图加特汽车工程与车辆发动机研究所 | 2.7 A comparison of the overall CO2 emissions of different powertrain systems depending on the energy sector emissions - Hans-Jürgen Berner, FKFS<br>根据能源行业的排放情况，比较不同动力系统的总二氧化碳排放量-Hans-Jürgen Berner，斯图加特汽车工程与车辆发动机研究所 |
| 09:30 - 10:00 | 1.8 Aerodynamic Influence of an Active Spoiler on Vehicle Braking Distance - ZHANG Xiaolong, Xiaomi Corporation<br>主动尾翼气动特性对汽车制动距离的影响研究-张晓龙，小米汽车 | 2.8 An effective 3D Virtual Methodology for modular Development of internal Combustion Engines powered by renewable Fuels: Hydrogen, Methanol and all synthetic and bio-Fuels - Dr.-Ing.Marco Chiodi, FKFS<br>一种基于3D虚拟仿真的以氢、甲醇、合成能源和生物燃料等为能源的可再生能源内燃机的模块化开发方法-Marco Chiodi，斯图加特汽车工程与车辆发动机研究所 |
| 10:00 - 10:30 | 1.9 Sharing on the Steer-By-Wire Development Process - HUANG Weixing, DIAS Automotive Electronic Systems Co., Ltd.<br>线控转向开发过程中的一些思考-黄伟星，联创汽车电子有限公司 | 2.9 The optional energy for hydrogen: the technological development of ammonia internal combustion engine.-YIN Yong, Dongfeng Commercial Vehicle Co. LTD<br>氢气的可选能源：氨内燃机的技术发展-殷勇，东风汽车 |
| **10:30 - 10:50** | **Coffee break -Match Making & Networking 茶歇 &商务配对与交流** | |
| 10:50 - 11:20 | 1.10 Synergetic effects in a holistic aerodynamic vehicle development process -Adrian Bernhard, FKFS<br>空气动力学车辆开发过程中的协同效应-Adrian Bernhard，斯图加特汽车工程与车辆发动机研究所 | 2.10 Dual fuel engine combustion technology with high zero-carbon fuel substitution-Prof.HAN Dong, Shanghai Jiaotong University<br>高零碳燃料替代的双燃料发动机燃烧技术-韩东，上海交通大学 |
| 11:20 - 11:50 | 1.11 Robust motion control of independently-driven electric vehicles-Prof.ZHANG Hui, Beihang Univesity<br>自动驾驶汽车的攻击检测和弹性控制-张辉，北京航空航天大学 | 2.11 Development of lubircant oil for light duty hydrogen engines- SHEN Yewen, FUCHS LUBRICANTS (CHINA) LTD.<br>开发用于轻型氢发动机的润滑油-沈业文，福斯润滑油（中国）有限公司 |
| 11:50 - 12:10 | 1.12 Industrialization exploration of ECS system for passenger car-LIU Yang, KH Automotive Technologies Co., Ltd.<br>乘用车电控悬架系统产业化探索-刘洋，浙江孔辉汽车科技有限公司 | 2.12 Development of Geely Hybrid System-LIU Guoqing, Geely Auto Geely Powertrain Research Institute<br>吉利混合动力系统开发-刘国庆，吉利汽车动力总成研究院 |
| **12:10 - 13:40** | **Lunch break 午餐** | |
| | | **Session : Propulsion for Electric Driving and Hybrid Power, Host-Prof.Kulzer**<br>**分论坛： 电驱动与混合动力** |
| 13:40 - 14:10 | 1.13 Dynamic Model based Vehicular Optimal Design and Dontrol-Prof.YU Huilong, Beijing Institute of Techbology<br>基于动态模型的车辆装备最优设计与最优控制-于会龙，北京理工大学 | 2.13 Artificial Intelligence in Powertrain Development: Methods and Practices -Dr.-Ing.YANG Qirui, FKFS<br>动力总成开发中的人工智能：方法与实践-杨奇瑞，斯图加特汽车工程与车辆发动机研究所 |
| | **Session: Light Weight Design, Host-Prof.Wiedemann, Prof.PANG Jiabing**<br>**分论坛：汽车轻量化设计** | |
| 14:10 - 14:40 | 1.14 Light wight constructions for vans – last mile vehicules - in connection and integration with the power train-Jürgen Erhardt, Erhardt GmbH<br>最后一英里路程中轻型货车动力系统的连接和集成-Jürgen Erhardt，Erhardt有限公司 | 2.14 Characterization of a Powertrain Test Bed in the Context of Virtual Validation of Drivability-Henrik Schmidt, TU Dresden<br>在驾驶性能虚拟验证的背景下对动力总成试验台进行表征-Henrik Schmidt，德累斯顿工业大学 |
| 14:40 -15:10 | 1.15 Thermoplastic structural composites for sustainable automotive lightweighting-Prof. Dr. Frank Hennig, Karlsruhe Institute of Technologe<br>用于可持续汽车轻量化的热塑性结构复合材料-Frank Hennig，卡尔斯鲁厄工业大学 | 2.15 Commercial Vehicle Propulsion System Optimization-John Shutty, BorgWarner Inc.<br>商用车推进系统优化-John Shutty, 博格华纳 |
| 15:10 - 15:30 | **Coffee break -Match Making & Networking 茶歇& 商务配对与交流， Host:** | |
| | **Day2: Plenary Closing Session, Host-Prof.Kulzer**<br>**第二天：主论坛闭幕，主持人-Kulzer教授** | |
| 15:30 - 16:10 | Keynote Speech 4: What driving comfort is made of<br>**主旨演讲4：驾驶舒适性由什么组成**<br>Prof. Dr-Ing. Andreas Wagner, Chair of Automotive Engineering IFS, Member of the Board of Management of FKFS | |
| 16:10 - 16:50 | Keynote Speech 5:Riding on Waves, Embracing the Great Changes Unseen for Centuries, Surfing Forward Boldly, Living up to the New Era of Electrification.<br>**主旨演讲5：浪卷千帆，迎接百年大变局；勇立潮头，不负电动新时代**<br>DENG Chenghao, CEO Deepal Automobile | |
| 16:50 - 17:30 | Keynote Speech 6: Hydrogen in Cultural Environments<br>**主旨演讲6：文化环境中的氢**<br>Dr.-Ing.Olaf Weber，R+D Director Greater China Schaeffler | |
| 17:30 - 18:20 | **Panel Discussion: Sustainable Vehicle Mobility: Challenges and Opportunities**<br>**圆桌讨论：可持续的车辆交通-机遇与挑战** | |
| | Host: Prof. André Kulzer<br>**主持人： André Kulzer教授**<br>Panelist 1: Wang Hui<br>**嘉宾 1: Wang Hui**<br>Panelist 2: Dr.Olaf Weber<br>**嘉宾 2: Olaf Weber博士**<br>Panelist 3: Prof.XIONG Lu<br>**嘉宾 3: 熊璐教授**<br>Panelist 4: Prof. CAI Liming<br>**嘉宾4：蔡黎明教授** | |
| 18:20-18:30 | Closing Ceremony Speech<br>Prof. Wiedemann<br>**闭幕致辞** | |