

IFVC 2018

第三届国际 氢能与燃料电池汽车大会

The 3rd International
Hydrogen Fuel Cell Vehicle Congress

2018年10月23-25日 | October 23-25, 2018

中国·如皋 | Rugao · China



主办方
Organizer



www.ihfca.org.cn



报名参会
Registration



FCVC 2018

关于大会 About FCVC

氢能是公认的清洁能源载体，作为多能源传输和融合交互的纽带，未来清洁低碳能源系统的核心之一，氢能发展已经成为全球能源技术革命的重要方向，而氢燃料电池应用的发展对氢能和普及的发展则起到至关重要的作用。2015年末，《联合国气候变化框架公约》近200个缔约方一致同意通过《巴黎协定》，共同应对气候变化威胁。为了实现这一人类共同的目标，氢能与燃料电池技术和产业的发展成为关键。

近年来，美国、日本、韩国、欧盟等国家和地区在国家氢能与燃料电池战略的指引下，对氢能与燃料电池技术研发、示范及市场培育提供了长期、稳定、高效的支持，氢能与燃料电池技术已取得长足进展，产业化窗口日趋临近。中国也高度重视和支持氢能与燃料电池技术的发展，在《节能与新能源汽车产业发展规划（2012-2020年）》、《中国制造2025》等国家战略规划中将氢能与燃料电池产业确定为重要的发展方向。

为推动世界氢能与燃料电池技术和产业的发展，国际氢能燃料电池协会携手中国汽车工程学会从2016年开始每年举办国际氢能与燃料电池汽车大会（FCVC），通过促进氢能与燃料电池技术领域的国际交流、展示与合作，实现产业共赢，为人类社会的可持续发展做出贡献。

Hydrogen, the most abundant element in the Universe, is an energy carrier that can be produced from a variety of sources – such as renewable biomass and intermittent solar, wind and hydro energies. This versatility enables hydrogen the potential to become a central integrating element, alongside electricity, in the future decentralized energy systems.

On the technology front, fuel cells are devices that generate electricity from a chemical reaction between hydrogen and oxygen, with only by-product water. Clean and efficient, hydrogen fuel cell vehicles (FCVs) hold great promise for sustainable mobility and meeting the Paris Agreement.

Jointly organized by the IHFCA and SAE-China, the International Hydrogen Fuel Cell Vehicle Congress (FCVC) is the premier international summit for the hydrogen fuel cell (HFC) and auto industries. Since its launch in 2016, this annual Congress has seen growing influence and brought together global business leaders and technology developers at the vanguard of HFC innovation and sustainable transportation.

“

50+ 特邀演讲嘉宾
Distinguished Speakers

2,000+ 参会代表
Delegates

50+ 展商
Exhibitors

”

高规格的行业大会
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International Exchange Platform

丰富深入的会议内容
Rich In-depth Contents

未来发展的风向标
Future Development Indicator

新增“市场与资本投资”主题会场，以便更好的为氢能及燃料电池的开发者、企业家对接全球资本和市场。
Launch new session “Market & Capital Investment” to better connect HFC technology developers and entrepreneurs with global capital and market.

特设“领袖论坛”，行业领袖共同探讨全球合作及商业化发展。

Launch “KOL Summit”, more powerful guests will be invited to jointly discuss how Hydrogen fuel cell global collaboration to accelerate FCV commercialization.



2018年国际氢能与燃料电池汽车大会初步日程 FCVC 2018 Preliminary Program

	10月23日 OCT. 23	10月24日 OCT. 24	10月25日 OCT. 25
上午 Morning	全体大会 Plenary Session	分会场A: 氢能燃料电池技术市场化应用 Session A: Hydrogen Fuel Cell Applications and FCVs	分会场B: 氢能与基础设施 Session B: Hydrogen Infrastructure 分会场E: 市场和资本投资 Session E: Market and Capital Investment 试乘试驾 Test Ride & Drive
中午 Noon	午餐 Buffet Lunch		
下午 Afternoon	全体大会 Plenary Session	分会场C: 燃料电池堆和关键零部件 Session C: Fuel Cell Stacks and Key Components	分会场D: 标准、法规及检测技术 Session D: Hydrogen and FCV Policy, Regulatory, Standard and Testing
晚上 Evening	商务晚宴 Networking Dinner		
技术展览 Exhibition	3天技术展览 3 full days		





全体大会+五场分论坛 One Plenary Session and Five Parallel Sessions

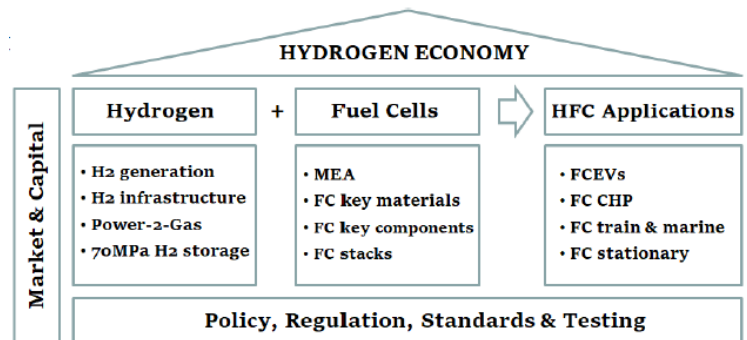


氢燃料电池生态系统是由技术、产业、投资和政府政策等方面共同努力建设。氢经济不仅有利于交通出行；它更是一个全方位的供应链，服务于真正以“绿色”氢气为基础的多个行业。

Hydrogen Fuel Cell Ecosystem Building through collective efforts of technology, industry, investment and government policy. A hydrogen economy means much more than mobility; it's about all – encompassing supply chain serving multi – industries based upon truly “green” hydrogen.

五个分论坛探讨了最新的氢燃料电池和燃料电池汽车技术、投资和政府政策，这些都将有助于氢经济的发展，并有利于未来。如今，这个梦想是切实可行的，且更加接近于实现。

Five Forums explore the latest HFC and FCV technologies, investment and government policy enabling hydrogen economy development in a way that future generations will appreciate. Today this dream is both viable and much closer to being realized.



我们的特邀演讲嘉宾包括 Our distinguished speakers will include:

- 全国政协副主席 中国科学技术协会主席 万钢博士
Dr. WAN Gang, Vice Chairman of the National Committee of the Chinese People's Political Consultative Conference (CPPCC), President of China Association for Science and Technology (CAST).
- 全球环境基金 首席执行官 Naoko Ishii 博士
Dr. Naoko Ishii, CEO of the Global Environment Facility(GEF)
联合国开发计划署中国总代表
Country Director in China, The United Nation Development Programme(UNDP)
- 中国工程院院士 中国汽车工程学会理事长 李骏院士
Dr. LI Jun, Academician of Chinese Academy of Engineering, President, SAE- China
- 中国工程院院士 中国科学院大连化学物理研究所 衣宝廉院士
Prof. YI Baolian, Academician of Chinese Academy of Engineering, Dalian Institute of Chemical Physics, of Chinese Academy of Science
- 中国科学院院士 清华大学 欧阳明高院士
Prof. OUYANG Minggao, Academician of Chinese Academy of Science, Tsinghua University
- 中国工程院院士 中国钢铁研究总院 干勇院士
Dr. GAN Yong, Academician of Chinese Academy of Engineering, Central Iron & Steel Research Institute Group
- 世界银行副总裁
Vice President of World Bank Group
- 美国能源部燃料电池办公室主任 DR. Sunita Satyapal
Dr. Sunita Satyapal, Director, Fuel Cell Technologies Office, U.S. Department of Energy
- 氢示范城市的市长和高级官员
Mayors of hydrogen demo cities and senior government officers
- 氢基础设施企业的首席执行官或副总裁
CEO/VPs of H₂ infrastructures (inclu. China Energy Investment Group,, Air Liquide, Shell, Cinopec, CNPC, etc.)
- 燃料电池开发企业首席执行官或副总裁
CEO/VPs of fuel cell developers (inclu. Ballard, Hydrogenics, Doosan, AVL, etc.)
- 燃料电池汽车制造企业的首席执行官或副总裁
CEO/VPs of FCV automakers (inclu. Hyundai, Toyota, SAIC, Honda, Dongfeng, FAW, Yutong, Foton, GWM, etc.)



参会嘉宾 Who Attends



科学家和研究人员 领导氢燃料电池基础研究、燃料电池汽车应用研究和开发、示范和工业应用。

Scientists & Researchers leading HFC fundamental research, FCV applied research and development, demonstration and industrial applications.



产业精英 从制氢和基础设施、燃料电池组件和电堆到燃料电池动力系统和燃料电池汽车集成的整个氢燃料电池产业链。

Industry Practitioners along the FCV value chain from hydrogen generation and infrastructure, fuel cell components and stacks to fuel cell powertrain and FCV integration.



政府决策者 来自世界各地的，负责可持续交通、清洁能源政策、条例及实施、研究和技术转让和国际商务领域。

Government Policy Makers from around the world, responsible for sustainable mobility, clean energy policy, regulation and enforcement, research and technology transfer, and international business.



前瞻的投资者 氢燃料电池技术和生态系统的领域的种子投资、风险投资和私人投资者。

Forward-thinking Investors engaged in vibrant HFC tech and ecosystem from seed investment to venture capital and private equity.



媒体 代表电视、报纸、杂志和网络新闻咨询。

Media representing television, newspapers, magazines and web news sources.





Innovation Exhibition 创新展览

推进氢燃料电池汽车的创新 无论是刚从实验室研制，还是已经成熟量产的产品，这场展览将世界范围内最新的氢燃料电池技术汇聚在这里。2017年，现代、丰田和本田的燃料电池汽车在中国联合亮相；今年将会有更多车型。

Push the Boundary of FCV Innovation. The exhibition will bring together the latest worldwide hydrogen fuel cell technologies under one roof, either for products that are fresh out of the lab or already have a proven track record. In 2017, Hyundai, Toyota and Honda made their FCV joint-debut in China; and more is expected this year.

创新展示 INOVATION SHOWCASE

- 氢气生产/供应 Hydrogen Production/Supply
- 氢气储存/运输 Hydrogen Storage/Transportation
- 加氢站 Hydrogen Refueling Station
- 燃料电池整车 Fuel Cell Vehicle
- 燃料电池系统 Fuel Cell System
- 燃料电池电堆零部件和原材料 Fuel Cell Stack Component and Material
- 相关设备及装置 Related Equipment and Device
- 测试及分析仪器 Test and Analysis Device
- 综合展示（氢能示范区/大学及科研机构等）
Comprehensive Display (Hydrogen Demonstration, University and research institutes)

试乘试驾 RIDE & DRIVE

- 丰田 Toyota Mirai
- 现代 Hyundai Nexa
- 本田 Honda Clarity
- 上汽 SAIC Maxus FCV80 & Roewe950
- 其他最新燃料电池汽车 Other new FCVs

在试乘试驾中接触和体验下一代氢燃料电池汽车，在创新展中发现企业家的创业精神，在创新展示中探究氢燃料电池的前沿技术。

Touch and experience next generation FCVs at Ride & Drive, explore entrepreneurial spirits at Startup Village, and discover cutting-edge HFC technologies at Innovation Showcase.





可选项：技术与文化参观 初步日程（地点：上海和苏州）

Optional Technical & Cultural Tours preliminary plan (location: Shanghai & Suzhou)

日期 Date	Oct. 26 (Fri)	Oct. 27
早上 Morning	技术参观: 上海国际汽车城, 上海汽车工业集团 Tech tour: Shanghai International Automobile City Group, SAIC Motor	技术参观: 苏州研究院 (清华大学) Tech tour: Suzhou Research Institute (Tsinghua University)
下午 Afternoon		文化参观: 苏州园林 Cultural tour: Suzhou ancient garden
晚上 Evening	文化参观: 上海外滩之夜 Cultural Tour: Shanghai Bund Night	

12个加氢站 & 24个在建站

12 H2 fueling stations built & 24 planned



中国氢燃料电池汽车发展路线图

China's FCV Roadmap



2020	100	5,000
2025	350	50,000
2030	1,000	1,000,000

快速发展的中国燃料电池汽车行业 - 加入了技术之旅，您将亲自见证燃料电池汽车在全球最大汽车市场的发展势头。

2016年10月，中国发布了氢燃料电池技术路线图，计划到2020年、2025年和2030年分别部署50万辆和100万辆氢燃料电池。

2017年，中国共交付1098辆燃料电池汽车。2018年2月，上汽集团和巴拉德电力系统分别宣布今年将在上海部署400辆燃料车和500个燃料电池堆。

Fast-moving FCV Industry in CHINA – Join the technical tours and witness for yourself the momentum of FCVs emerging in the world's largest auto market.

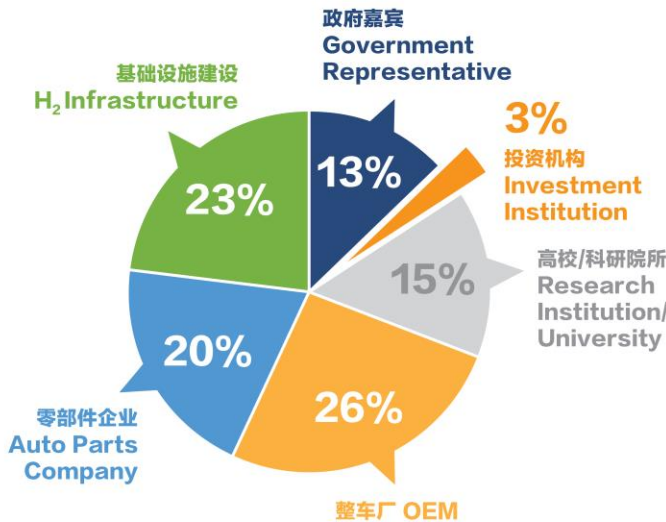
In Oct. 2016 China released its Hydrogen FCV Technology Roadmap, which aims to deploy 5 000, 50 000 and one millions FCVs, respectively, by 2020, 2025 and 2030.

In 2017 China Delivered a total of 1,098 FCVs. In Feb. 2018, SAIC and Ballard Power Systems, respectively, announced this year to deploy 400 fuel cell vans and 500 fuel cell stacks for commercial trucks in Shanghai, the city to co-host the tour with Suzhou.



FCVC 2017 回顾 Review

FCVC 2017 观众成分分析 Visitor Breakdown



- 1,126名参会代表Delegates
- 53名特邀演讲嘉宾Distinguished Speakers
- 376名 地区政府、国际组织的官员以及企业高管
Government/International Associations/
Higher-level Decision Makers
- 20个国家地区分布Countries and Regions
- 16个参展商Exhibitors

2017 部分出席嘉宾 Part of Speakers



李骏 院士
Dr. Li Jun
中国工程院院士
中国汽车工程学会理事长
Academician of Chinese
Academy of Engineering;
President, SAE- China



Andrew Hinkly 先生
Mr. Andrew Hinkly
英美资源 贵金属营销执行 总经理
Executive Head Of
Marketing, Precious Metals,
Anglo American plc



河合大洋 先生
Mr. Taiyou KAWAI
丰田燃料电池技术
总负责人/担当部长
General Manager, Fuel Cell
R&D Dept, Toyota



李起相 先生
Mr. Ki-Sang LEE
韩国现代汽车集团 环境技术中心
高级副总裁
Senior Vice President,
Eco Technology Center,
Hyundai Motor Company



衣宝廉 院士
Prof. Yi Baolian
中国工程院院士
Academician of Chinese
Academy of Engineering
中科院大连化物所
Dalian Institute of Chemical
Physics Academician of
Chinese Academy of
Sciences



Bill Elrick 先生
Mr. Bill Elrick
加州燃料电池伙伴 执行总监
Executive Director,
California Fuel Cell
Partnership



Andreas Truckenbrodt 先生
Mr. Andreas Truckenbrodt
加拿大氢能燃料电池协会 主席
President & CEO of CHFCFA



麦楷文 先生
Mr. Randy MACEWEN
巴拉德动力系统公司 总裁兼首席
执行官
Ballard, President & CEO

2017 部分展商 Part of Exhibitors



2017 部分合作媒体 Part of Media Partners





国际氢能燃料电池协会（筹） International Hydrogen Fuel Cell Association

国际氢能燃料电池协会（筹）是由中国汽车工程学会发起，将通过中国科协向国务院申请批准成立，并在民政部正式注册的团体。协会接受民政部、科协、工信部、科技部、发改委、国家标准委等部委和机构的指导，着重与国际相关企业和机构合作。截至目前，协会共有53家成员单位，涵盖了整车，燃料电池及零部件，能源及氢基础设施，科研机构与高校，政府部门与行业组织和投资机构等领域。协会的宗旨是：合作创新，信息共享。协会将按照国际组织的运行模式，致力于打造覆盖氢能、燃料电池汽车全产业链的国际交流平台；开展燃料电池汽车和氢基础设施示范推广活动；研究探讨燃料电池汽车的商业化模式；完善相关激励政策体系和标准法规建设；通过国际信息交流平台和媒体宣传等方式，开展科普宣传和知识普及等活动，促进全球燃料电池汽车的技术进步和商业化推广。

International Hydrogen Fuel Cell Association (hereinafter referred to as the "Association"), initiated by SAE-China, will be established after submitting its application to the State Council of the People's Republic of China through the China Association for Science and Technology. After approval of its application by the State Council, the Association will officially register at the Ministry of Civil Affairs of the People's Republic of China. The tenets of the Association are collaboration, innovation, and reciprocal sharing. The members of the association include Vehicle, Fuel Cell and Components, Energy and H2 Infrastructure, Government and Industry Organization, Research Institute and University and Investment Organization, which includes 53 units so far.

The Association, functioning as bridge and linkage to integrate the resources across the entire hydrogen fuel cell industry chain, will create an international platform to promote global communication and collaboration encompassing a complete hydrogen fuel cell industry chain. The objective is to collectively manage various challenges facing the fuel cell industry during its commercialization, foster a market environment encouraging fuel cell scalable applications, and promote global fuel cell technology advancement and commercial deployment as well as Association members' collaborative development.

中国汽车工程学会 SAE-China

中国汽车工程学会（SAE-China）成立于1963年，是由中国汽车科技工作者自愿组成的全国性、学术性法人团体；是中国科学技术协会的组成部分，非营利性社会组织；是国际汽车工程学会联合会（FISITA）常务理事；是亚太汽车工程年会（APAC）发起国之一。中国汽车工程学会经过五十余年的发展，已经成为推动汽车产业健康、持续发展不可缺少的重要力量，得到了国内外汽车行业、社会各界、政府部门和广大科技人员的认可。中国汽车工程学会目前下设39个分支/代表机构，并与各个省级汽车工程学会建立了业务指导关系。目前拥有个人会员数万人，团体会员数千家。中国汽车工程学会是中国汽车工业传播新思想、交流新技术、宣传新观念的重要力量和增进国际汽车行业交流的重要桥梁。

Society of Automotive Engineers of China (SAE-China), a national academic organization, was founded in 1963. Having the qualifications of a legal corporation, it is formed based on the principle of voluntariness by automotive engineers in China. As a member of China Association for Science and Technology, it is a non-profit social organization. As an executive member of the International Federation of Automotive Engineering Societies, SAE-China is also one of the sponsors of the Asia Pacific Automotive Engineering Conference (APAC). Over the past five decades, we have become a pillar society to promote the healthy and sustainable development of China's automotive industry, which has earned recognition from the domestic and international automotive industry, the society, the government and the majority of scientific and technical personnel. There are 39 branches under SAE-China, and we maintain an operational directing relationship with all the provincial societies of automotive engineers. At present, SAE-China has more than tens of thousands of individual members, and over thousands of corporate members. SAE-China is a significant force for the popularization of new ideas, technologies and notions in China's automotive industry and act as a bridge to promote the exchanges between the domestic and international automotive industries.



指导单位（拟邀请） Guided by (Inviting) :

中华人民共和国工业和信息化部 Ministry of Industry and Information Technology (MIIT) of PRC、中国科学技术协会China Association for Science and Technology (CAST)

支持单位（拟邀请） Supported by (Inviting) :

联合国开发计划署 United Nations Development Program (UNDP)、韩国氢能促进局H2 KOREA、英美资源公司Anglo American platinum、丰田汽车公司Toyota Motor Corporation、现代汽车公司Hyundai Motor Technology & Engineering Center China Limited、中国汽车技术研究中心China Automotive Technology & Research Center、清华大学Tsinghua University、同济大学The new energy automotive engineering center of Tongji University

FCVC 2018

参会费用 Registration Fee

类别 Fee options	提早注册费用 Early bird ticket	基础注册费用 Regular ticket
普通参会人员 FCVC Congress and Exhibition	3000元/470 USD	3500元/550 USD
会员（中国汽车工程学会 与国际氢能燃料电池协会） Members of SAE-China and IHFCA	2800元/440 USD	3300元/520 USD
可选项：技术与文化参观 Optional Technical & Cultural Tours		2000元/280USD

注意： 1. 大会费用包括后动期间所有用餐，以及机场或火车站到场馆的交通。

2. 国际氢能燃料电池协会会员理事单位及以上级别享受两个免费注册名额。

3. 技术与文化参观预计成本是2000元/人，包括门票、用餐及上海往返苏州交通，不包括其他费用。

Note: 1. Congress and Exhibition price includes registration fee, three lunches (Oct. 23-25), two networking dinners (Oct. 24-25), shuttle bus pick-up at four nearby airports and two railway stations; all other cost exclusive.

2. Each IHFCA Council Member (and above) organization has two free registration

3. The cost of Technical & Cultural tours is estimated to be US\$ 280 per person, which includes all tour tickets, two dinners (Oct.25-26), two lunches (Oct. 26-27) and Shanghai-Suzhou transportation; all other costs exclusive.

联系我们 Contact us:

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网站 Website: www.ihfca.org.cn (then click FCVC)