



2015 中国汽车工程学会年会暨展览会
SAE-China Congress & Exhibition

2015年10月27-29日 中国·上海 October 27-29, 2015 Shanghai, China

征文及演讲邀请

Call for Papers & Presentations

截止日期: 2015年04月03日 Deadline: April 3rd, 2015



精选论文可被EI检索

Some papers may be indexed by EI

www.saecce.com

年会简介 / Introduction to SAECCCE

中国汽车工程学会年会暨展览会 (SAECCE), 秉承“学会搭台 行业唱戏”的理念, 坚持会议交流和技术展览同时同地同主题紧密结合的模式, 经过20多届的发展, 已成为国际汽车界深入了解中国、中国汽车界展示科技成果的平台, 成为中国汽车工程界专业性最强、规模最大、最受行业认可的技术交流和展示平台。

2015SAECCE将于2015年10月27-29日在上海举办。届时将邀请汽车及相关行业的院士、企业高层、技术领军人物、资深专家学者, 通过高层访谈、专题研讨、论文交流等形式, 讨论行业热点, 引领前瞻技术发展方向。预计会议代表将超过1,800人, 展览面积超过10000平米。

Adhering to the concept of “developing the industry on the platform set up by SAE-China”, the SAE-China Congress & Exhibition (SAECCE) insists on the format of combining congress exchanges and technical exhibition concurrently together under the same theme. Over the past two decades, it has developed to be one of the best opportunities for the global auto industry to understand China, a wonderful arena for Chinese automotive industry to display its technical achievement, as well as a platform for technical exchanges and showcasing that is the most professional in the Chinese automotive industry, the biggest in scale and the most acknowledged by the whole industry.

The 2015 SAECCCE will be held from Oct. 27th -29th in Shanghai. Academicians, senior executives, and top experts will discuss heated topics in the ways such as high-level panel sessions, special sessions and paper presentations, so as to guide the further development of future pioneering technologies. The congress is expected to attract over 1,800 attendees, whilst the concurrent exhibition will cover an area of over 10,000 m².

国内外企业、高校、研究机构的专家、学者和工程师们可通过以下3种方式参与年会:

Experts, scholars and engineers from companies, universities and research institutes China and abroad are encouraged to be a part of 2015 SAECCCE in the following three ways:

1. 申请组织专题分会—申请通过后可发起组织专题分会

To apply for organizing a Special Session -- will be able to initiate a Special Session if the application is approved

2. 提交演讲摘要—录取后可在技术分会演讲

To submit a presentation abstract -- will be invited to give a presentation at a Technical Session if the abstract is accepted

3. 提交论文—录取后有机会在技术分会演讲, 并在年会相关论文集上正式出版 (部分论文可被EI检索)

To submit a paper -- may have the chance to be invited for a presentation at a Technical Session and the paper will be published in the Proceedings (some accepted papers of high quality will be indexed by EI, see Page 4 for details)

重要日期 / Important Dates

- 论文提交截止日期—2015年04月03日
- 演讲摘要截止日期—2015年04月03日
- 专题分会申请截止—2015年05月29日
- 论文录取通知日期—2015年06月05日
- 论文修改上传日期—2015年06月26日
- 初步日程发布日期—2015年08月07日

- Deadline for Paper Submission: April 3rd, 2015
- Deadline for Presentation Abstract Submission: April 3rd, 2015
- Deadline for Special Session Proposals: May 29th, 2015
- Notification of Paper Acceptance: June 5th, 2015
- Deadline for final Paper Submission: June 26th, 2015
- Release of Preliminary Program: August 7th, 2015

联系方式 / Contact



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学会网址: www.sae-china.org

会议官网: www.saecce.com

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SAECCE website: www.saecce.com



1. 专题分会申请 How to Apply a Special Session

专题分会将由企业或学术界的资深专家发起，提出技术议题，并邀请和组织相关领域的专家，以技术演讲和互动讨论的形式进行深入探讨。会议时间建议为2个小时。

专题分会申请需在2015年5月29日前提出申请，并提供如下信息：

- 专题分会主题、讨论内容简介，300字以内
- 主持嘉宾、4-5个演讲题目及相应演讲人信息，包括姓名、单位、职务和照片等

注：① 专题分会的议题最终还需年会科学技术委员会批准决定。

② 如公司希望发起组织专题分会，还需支付赞助费用。

A Special Session is initiated by enterprises or senior experts, discussing and exploring technical issues with related experts in the form of technical reports and panel discussions. It is recommended to limit one Special Session within 2 hours.

You are requested to provide the following information no later than May 29th, 2015:

- Proposed session title, introduction of session content within 300 words.
- Information of 4-5 tentative speakers and their presentation topics, including name, affiliation, job title and photo, etc.

* ① The Scientific & Technical Committee (STC) has the final decision on whether to approve the Special Session Proposals.

② For a Special Session proposed by a company, both the approval from STC and the Sponsorship partner relationship with 2015 SAECCCE are necessary.

请将专题分会申请于2015年5月29日前发至congress@sae-china.org，咨询联系电话：010-5095 0037。

Please submit your Special Session Proposal before May 29th, 2015 to congress@sae-china.org. For any questions, please contact us at +86-10-5095 0037.

2. 技术分会演讲申请 Call for Presentations for Technical Sessions

技术分会由中国汽车工程学会专业分会做技术支撑，主要以技术论文交流的方式，跟踪行业技术进展。为提升技术分会交流质量，2015SAECCE首次向行业广泛征集技术分会演讲摘要。演讲摘要经评审被录取后，将有机会在技术分会场免费交流。

技术演讲摘要要求：

- 技术分会演讲摘要不限是否已公开发表，但须符合论文征集的24个主题
- 篇幅限制在A4纸一页以内，中文摘要不超过800字，英文摘要不超过500单词（含空格）
- 摘要内容需包含六部分：题目、研究目标、研究方法、研究成果、创新点、研究的不足与局限性、结论
- 尽可能不在摘要中出现图表内容

注：① 可登录www.saecce.com下载摘要模板申请表，并于2015年4月3日前发邮件至congress@sae-china.org。

② 年会技术分会演讲时间限制为每人15-20分钟（含讨论时间）。

③ 录取的演讲摘要作者，均可享受参会注册费优惠。

Most of the technical sessions are supported by professional committees of SAE-China, and are organized mainly in the way of paper presentations to track the latest development of automotive technologies. For the first time in its history, the 2015 SAECCCE is now calling for presentations from the whole industry to improve the quality of Technical Sessions. Applicants may be invited to be a part of the Sessions if the presentation abstracts are accepted by reviewers.

Technical presentation abstract requirements:

- Presentations for Technical Sessions are not limited to those unpublished, on the condition that it conforms to one of the 24 call for paper topics;
- Length: 1 x A4 page, approximately 800 words (if written in Chinese) or 500 words (if written in English) including space;
- An abstract should contain the following six contents: title, research objective, methodology, result, innovative points, limitations of the study and conclusion;
- It is recommended not to include charts or diagrams in the abstract.

* ① The abstract application form can be downloaded at www.saecce.com and please email the finished form to congress@sae-china.org before April 3rd, 2015;

② Oral presentations at the Technical Session are restricted to 15-20 minutes each, including time for Q&A.

③ Authors of accepted presentation abstracts will be offered preferential registration fees.



3. 论文投稿 / Paper Submission

2015年SAECCE将从24个技术领域征集论文。请于2015年4月3日前，登录www.saecce.com，在线提交您的论文。
The 2015 SAECCCE is calling for papers from 24 technical fields. You are invited to submit your complete paper on-line before April 3rd, 2015.

征文要求

- 论文应符合主题，内容充实，学风严谨，未曾公开发表。非个人成果或涉及科研机密成果发表，作者文责自负
 - 论文格式须用Microsoft Word 排版，A4 纸型；通栏排版；单倍行距；段落之间空0.5 行；中文为宋体，英文为Arial；标题字号为14 号，其他为11 号
 - 论文字数不超过6000 字，包含空格及图表
 - 论文语言可以为中文或者英文。其中，中文论文需提供英文题目、英文作者信息、英文摘要和关键词
 - 中文论文书写顺序：中文题目、中文作者姓名、中文作者单位、中文摘要、中文关键词、英文题目、英文作者姓名、英文作者单位、英文摘要、英文关键词、正文、参考文献
 - 英文论文书写顺序：英文题目、英文作者姓名、英文作者单位、英文摘要、英文关键词、正文、参考文献
- 注：① 可登录www.saecce.com或 www.sae-china.org下载论文模板。
② 征文系统将于2015年2月14日前开通，并开始接收论文。

论文评审

年会科技委员会将组织业内专家根据论文理论水平、实用价值、创新价值、分析与验证水平、影响力等指标，并综合考虑每个征文主题下所接受的论文数量，决定是否录取论文。优秀论文还将由相关出版物的评审委员会继续审查。

录取论文发表与出版

- 部分录取论文将在核心期刊《汽车工程》上刊登。约20篇(EI检索，中文论文)
 - 部分录取的英文论文刊登在《论文精选集》(具有ISBN号，EI检索，仅刊登英文论文)
 - 部分录取论文刊登在《汽车技术》、《汽车工艺与材料》等核心期刊(中文论文)
 - 其他所有录取的论文将被刊登在《年会论文集》上(具有ISBN号，中文和英文论文均可，在以上三项出版物上发表的论文，只刊登摘要)
- 注：① 论文发表不收取费用(入选《汽车工程》的论文需要交纳版面费)，但每篇论文需至少有一个作者参会；作者参会费可享受优惠。
② 凡发表在《论文精选集》上的英文论文，需符合斯普林格出版社的交稿要求。具体请登录网站下载。

Requirements

- Paper has not been published;
 - Format: in Microsoft word format, A4 paper size, one column, single line spacing; half line of space between paragraphs; Chinese in Simsun and English in Arial, 14 point for topic and 11 point for the others.
 - Length: no more than 6,000 words including spaces, formulations, photos and figures.
 - Language: Chinese or English. For papers written in Chinese, extra information about paper title, author's information, abstract and keywords should be provided additionally in English.
 - Paper writing order: title, author's name, company, abstract and keywords; body; references.
- * ① The paper template can be downloaded at www.saecce.com or www.sae-china.org.
② The online submission system will be available after Feb. 14th, 2015.

Paper Review

The scientific & Technical Committee will decide whether to accept a paper in accordance with index such as paper technical level, values of innovation, skills of analysis and test, etc. Authors should pay particular attention to those aspects of your work which are new, innovative and unique.

Acceptance and Publication

- About 20 accepted papers of outstanding academic values will be recommended to be published on the core journal of Automotive Engineering and be included by the Engineering Index (EI).
 - Some accepted papers that are written in English will be published on Selected Papers with an official ISBN code, and will be included by the Engineering Index (EI).
 - Some accepted papers of high academic values will be recommended to be published on the core journals of Automobile Technology and Automobile Technology & Material (only for papers written in Chinese).
 - The rest of accepted papers will be published on the Congress Proceedings with an official ISBN code. Papers that have been published in other four publications will be represented by their abstracts, too.
- * ① Only papers represented by their author(s) at the congress can be published in the Congress Proceedings, which is a legitimate publication with an official ISBN code. Authors will be offered preferential registration fees.
② English papers Published on Selected Papers must meet the specific requirements put forward by Springer Publication House. For details, please refer to www.saecce.com.



征文主题:

■ 乘用车技术:

1. 内燃机技术

先进柴油机技术
先进汽油机技术
可变配气技术及增压技术
混合动力发动机技术
(增程器及混合动力用发动机)
燃料喷射与雾化
进气流动与燃烧诊断及控制
发动机设计与仿真技术
新概念内燃机技术
传热与废热利用回收
燃料与润滑
内燃机关键零部件技术

2. 环保与排放控制

后处理系统与排放控制
车内空气及内饰件材料有机挥发物检测与控制
混合动力排放测试与评价技术
TGD|排放控制技术
气体(替代燃料)机排放控制技术
燃油品质与污染物控制技术
报废拆解环保技术
排放OBD与环保一致性技术
车辆排放污染物清单与排放总量模型
排放标准及规范研究

3. 代用燃料汽车技术

氢能燃料电池汽车
代用燃料汽车关键零部件技术
可再生能源在汽车发动机上的应用技术
代用燃料在低碳汽车上的应用
代用燃料汽车排放控制技术
车用代用燃料现状及发展

4. 电动汽车技术

电池和车载能源
燃料电池
电驱动技术
电力电子技术
电动汽车控制技术
纯电动汽车
混合动力汽车
燃料电池汽车
充电技术与基础设施
政策、市场和商业模式

5. 安全技术

汽车结构耐撞性
乘员保护系统和儿童安全防护
行人碰撞保护
碰撞生物力学
碰撞预判技术/交通事故分析与再现
碰撞兼容性
汽车操控性与稳定性控制
安全标准与规范

6. 汽车电子技术

发动机/底盘/车身电子控制
电器及电子系统设计方法
软件及硬件系统
电磁兼容性(EMC)
汽车传感器及执行器
多媒体系统/资讯娱乐系统
测试技术、测试设备与测试方法
整车电子电器架构
新型电子元器件的应用及典型电路方案
平台化、模块化设计方法
电子产品产业化思路
智能汽车未来发展方向
汽车电子电器发展方向

7. 先进变速器及动力传动系统

离合器系统及控制
齿轮系统及动力传动系统
传统动力汽车变速器技术
混合动力及电动汽车驱动系统
整车开发对动力传动系统的性能要求及评价体系

8. 先进汽车车身设计

先进汽车车身结构与设计技术
车身CAD/CAE/CAM/CFD分析技术与优化
先进汽车车身制造技术

9. 底盘系统与集成技术

独立悬架系统与非独立悬架系统
底盘系统结构与设计
底盘控制与集成技术
底盘动力学性能主客观评价技术
轮胎及轮毂设计/轮胎特性及建模
底盘轻量化技术

10. 整车产品与性能开发

整车设计与性能开发
汽车人体工程因素设计及内外饰设计技术
汽车造型与空气动力学特性设计
汽车可靠性技术

11. 振动噪声控制(NVH)

整车噪声振动控制
车身结构噪声振动控制
底盘噪声振动控制
发动机噪声振动控制
传动系统噪声振动控制
进气系统和排气系统噪声振动控制
隔振技术及控制
电器噪声振动控制
风噪控制技术
噪声振动测试技术
声学包设计开发技术
轮胎噪声控制技术
振动噪声主动控制技术
新能源车低速提示音技术

12. 先进汽车制造技术

焊接、连接及栓扣技术
铸造技术
冲压技术
模具设计
塑料成型技术
车身涂装技术
整车装配技术
先进制造工艺管理体系
检测与测量
再制造技术

13. 汽车仿真与测试

仿真与试验验证
虚拟设计、测试与验证
整车系统及零部件测试
汽车动力学建模分析

14. 工程建设与装备

生产线设计与规划
汽车工厂规划
数控机床与制造
机器人与自动化控制

15. 汽车新材料与轻量化

汽车新材料与轻量化开发应用技术
先进高强度钢
高强度合金钢
高强度铸铁
铝合金
镁合金
复合材料

16. 现代化管理

汽车三包及召回
前瞻技术分析与投入的决策研究
竞争情报技术性研究

■ 商用车技术:

17. 商用车轻量化技术

商用车整车及零部件轻量化设计
商用车轻量化材料的研究与应用
先进成型技术、连接技术等轻量化相关制造技术研究
轻量化测试、实验技术研究
轻量化整车和零部件评价方法研究
其他与商用车轻量化相关的研究

18. 商用车节能减排技术

先进商用车动力总成技术
先进商用车排放控制技术
气体燃料商用车技术研究
新能源商用车(纯电动、混合动力、燃料电池)技术
商用车未来发展及对环境的影响

19. 商用车车联网技术

车载智能终端

ITS(智能交通)系统的协调与规范
车与车、车与人、车与路通信共享技术
车联网云计算技术的研究
车联网标准体系

20. 商用车安全技术

商用车安全技术
动力学稳定性控制技术发展趋势
底盘一体化控制技术
智能安全辅助控制系统
乘员保护系统
碰撞预判系统

21. 重型专用商用车技术研究

罐式运输车辆安全技术研究
紧急切断装置在危险品运输车辆中的应用研究
一种用于跨越高声屏的桥梁检测车技术研究

■ 智能汽车与车联网技术:

22. 智能汽车技术

智能车载终端与手持终端
环境感知与定位技术
驾驶员状态与行为识别
线控技术
先进驾驶辅助系统
自动驾驶与车路协同驾驶

23. 车联网与智能交通

导航与车载信息服务系统
V2X通信及车载网络技术
车联网云平台技术
车联网中的信息安全技术
大数据及车联网应用

24. 车联网共性研究

建模、仿真、试验与评价技术标准与规范



We call for papers on the following topics:

Technologies of Passenger Vehicle

1. Internal Combustion Engine Technology

Advanced Diesel Engine Technology
Advanced Gasoline Engine Technology
Variable Valve Technology & Supercharging Technology
Hybrid Engine Technology (Range Extender & Hybrid Engine)
Fuel Injection and Sprays
Flow and Combustion Diagnosis
Engine Design & Simulation
New Concept Internal Combustion Engines
Heat Transfer & Waste Heat Reutilization
Fuel and Lubrication
Key Components of Internal Combustion Engine

2. Environmental Protection and Emission Control

After Treatment and Emission Control
Vehicle Interior Air and VOC Test and Control
Emissions Test and Evaluation Technology for Hybrid Vehicle
Emission Control Technology for TGD Engine
Emission Control Technology for Gas Engine
Fuel Quality and Pollutant Control Technology
End-of-life Dismantling Environmental Protection Technology
OBD and Environment Protection Consistency Technology
Vehicle Emissions Inventory and Moves
Emissions Calculation Model
Emission Standards and International Regulations Study

3. Alternative Fuel Vehicle Technology

Hydrogen Fuel Cell Vehicle
Key Components of Alternative Fuel Vehicle
Application Technology of Renewable Energy in Automobile Engine
Application of Alternative Fuel in Low Carbon Vehicles
Emission Control of Alternative Fuel Vehicle
Current Situation and Future of Alternative Fuel

4. Electric Vehicle Technology

Batteries and On-board Energy Storage
Fuel Cell and Systems
E-Drive Technologies
Power Electronics and Applications
Electric Vehicle Control Technologies
Electric Vehicles
Hybrid Electric Vehicles
Fuel Cell Vehicles
Charging Technology and Infrastructure
Policy, Business model and Marketing

5. Automotive Safety Technology

Automotive Structure Crashworthiness
Occupant & Child Safety Protection
Pedestrian Impact Protection
Impact Biomechanics
Pre-Crash Technology/Traffic Accident Analysis and Reconstruction
Crash Compatibility
Vehicle Controls on Handling and Stability
Safety Standards and Regulations

6. Vehicle Electronic Technology

Engine/Chassis/Body Electronic Control
Electrical & Electronic System Design Methods
Software & Hardware Development
Electromagnetic Compatibility (EMC)
Vehicle Sensor & Actuator
Multi-Media/Infotainment System
Testing Technology, Test Equipment and Test Methods
Vehicle Electronic and Electrical Architecture
New Electronic Components Application and Typical Solution
Platform and Modular Design Approach
The Idea of Electronic Products Industry
Smart Car in the Future
Auto Electronics Development in the Future

7. Advanced Transmission System and Driveline

Clutch System & Control
Gear System & Driveline
Traditional Power Transmission Technology
Hybrid & Electric Vehicle Driving System
Performance Requirement & Evaluation
System of Driveline Based on Vehicle Development

8. Advanced Car Body Design

Advanced Car Body Structure & Design
CAD/CAE/CAM/CFD Analysis and Optimization
Advanced Car Body Manufacturing Technology

9. Chassis System & Integration Technology

Independent Suspension System & Non-independent Suspension System
Chassis Structure & Design
Chassis Control & Integration
Subjective and Objective Evaluation of Vehicle Dynamic Performance
Tire and Wheel Design/ Tire Properties and Modeling
Chassis Lightweighting: Methods & Applications

10. Product & Performance Development

Vehicle Performance Development
Automotive Ergonomic, Interior & Exterior Trim Design
Vehicle Style and Aerodynamic Design
Automotive Reliability Technology

11. Noise, Vibration & Harshness (NVH)

Vehicle Vibration & Noise Control
Body Vibration & Noise Control
Chassis Vibration & Noise Control
Engine Vibration & Noise Control
Transmission Vibration & Noise Control
Air Intake System & Exhaust System & Vibration & Noise Control
Vibration Isolation Technology & Control
Electrical Vibration & Noise Control
Wind Noise Control Technology
Vibration & Noise Testing Technology

Sound Package Design & Development Technology
Tire Noise Control
Noise & Vibration Active Control
Vehicle Sound for Pedestrians

12. Advanced Vehicle Manufacturing Technology

Welding, Joining & Fastening
Casting Technology
Stamping Technology
Mold Design
Plastic Injection Technology
Body Painting Technology
Trim and Chassis Technology
Advanced Process Management
Detection and Measurement
Remanufacturing Technology

13. Automotive Simulation and Testing

Simulation and Experimental Validation
Virtual Design, Testing and Validation
Complete Vehicle System and Components Test
Automotive Dynamic Modeling Analysis

14. Engineering Construction & Equipment

Design & Planning of Production Line
Automobile Factory Planning
CNC Machine & Manufacture
Robotics and Automation

15. New Materials and Lightweight Technology

Application Technology of Vehicle New Materials and Lightweight Development
Advanced High-strength Steel
High-strength Alloy Steel
High-strength Cast Iron
Aluminum Alloy
Magnesium Alloy
Composite Material

16. Modern Management

Car Recall & "Three Guarantees"
Decision-making Research on Prospective Analyses & Input
Technical Research on Competitive Intelligence

Technologies of Commercial Vehicle

17. Lightweight Technology of Commercial Vehicle

Vehicle and Component Lightweight
Design of Commercial Vehicle
Research and Application of Lightweight Materials of Commercial Vehicle
Lightweight-related Advanced Molding Technology, Interconnection Techniques
Lightweight Test and Experiment
Technology Research
Assessment Method Research of Lightweight Vehicle and Components
Other Researches Related to Commercial

Vehicle Lightweight

18. Energy Conservation and Emission Reduction Technology of Commercial Vehicle

Advanced Powertrain Technology of Commercial Vehicle
Advanced Emission Control Technology of Commercial Vehicle
Technical Research of Gaseous Fuel Commercial Vehicle
New Energy Technology of Commercial Vehicle
Future Development of Commercial Vehicle & its Impacts on Environment

19. Internet of Vehicle Technology of Commercial Vehicle

Intelligent On-board Terminal
ITS Coordination and Standardization
V2X Communication Sharing Technology
Cloud Computing of Internet of Vehicle Technology
Standard System of Internet of Vehicle Technology

20. Safety Technology of Commercial Vehicle

Safety Technology of Commercial Vehicle
Trend of Dynamic Stability Control Technology
Chassis Integrated Control Technology
Intelligent Safety Assistant Control System
Occupant Safety Protection System
Pre-crash Technology

21. Technical Research of Heavy-duty Special Purpose Commercial Vehicle

Tank Truck Safety Research Application Research of Emergency Shutoff Device in Dangerous Goods Transportation
Bridge Detection Vehicle Research that Across Acoustic Shielding

Technologies of Intelligent and Connected Vehicles

22. Intelligent Vehicle Technology

Intelligent on-board Terminal and Handy Terminal
Environment Perception and Positioning
Driver State and Behavior Recognition
By Wire Technologies
Advanced Driver Assistance Systems
Automated and Cooperative Driving

23. Connected Vehicles & ITS

Telematics, Navigation System
V2X Communication and Vehicular Networking Technology
Cloud Platform Technology
Connected Vehicle Cybersecurity Technology
Big Data and its Application for Connected Vehicle

24. Universals of Connected Vehicles

Modeling, Simulation, Testing and Evaluation Technologies
Standards & Regulations

