



# TMC2015

The 7<sup>th</sup> TM Symposium China  
– ICE , HEV and EV transmissions and drives  
April 23 - 24, 2015 Shanghai China

## CALL FOR PAPERS



Organizer



**中国汽车工程学会**  
Society of Automotive Engineers of China

Co-organizer



**中汽翰思管理咨询**  
Hans Auto Consultant

[www.transmission-china.org](http://www.transmission-china.org)

## Welcome To The Premier Transmission Event



### Date & Venue

April 23<sup>rd</sup>-24<sup>th</sup>, 2015  
Shanghai, China

### Scale

- 45+ Technical Reports
- 55+ Exhibitors
- 600+ Delegates

### Deadlines

- Abstract Submission:  
December 6<sup>th</sup>, 2014
- Paper Submission:  
January 16<sup>th</sup>, 2015
- Notification of Acceptance:  
February 27<sup>th</sup>, 2015

**The 7<sup>th</sup> TM Symposium China (TMC2015)** is to be held on April 23-24, 2015. About 600 delegates from Asia, Europe and America are expected to gather in Shanghai, presenting and discussing global and Chinese technology trends, strategies, innovations and solutions in the field of transmissions and drives for ICE, hybrid and electric vehicles. The delegates will also carry out in-depth discussions on hot issues in China.

TMC has become the premier event for technology exchange and opinion sharing in the transmission and drive area in China. About 60 excellent and qualified papers were selected and distributed to delegates, and 10 papers were orally presented together with over 60 presentations from world's leading OEMs and suppliers during the last 2 events.

We sincerely invite experts and engineers from international and Chinese **vehicle manufacturers**, and scholars and students from domestic and overseas **universities** to contribute high quality papers to this event. Oral presentation opportunities will be provided for excellent papers.

Don't miss this opportunity to discuss and cooperate with Chinese counterparts by demonstrating your excellent research capabilities and achievements..

**Society of Automotive Engineers of China  
Hans Auto Consultant Co., Ltd.**





## Published Papers

### Excellent Papers

- Authors will have the opportunity to orally present papers during the symposium
- Free symposium registration for one author, 30% off for others

### Qualified Papers

- Printed in the symposium paper collection distributed to all attendees.
- 30% registration fee discount for one author per paper

## Unpublished Papers

### Excellent Papers

- Certificate will be granted during the symposium
- Authors will have the opportunity to orally present papers during the symposium
- Papers ( in Chinese version ) recommended to China's first level magazine Automotive Engineering (listed in EI)
- Free symposium registration for one author, 30% off for others

### Oral-Presentation Papers

- Orally present papers at the symposium
- Papers (in Chinese version ) recommended to the core magazine Automobile Technology
- Free symposium registration for one author, 30% off for others

### Qualified Papers:

- Printed in the symposium paper collection which is to be published in SAE-China Congress Proceedings
- 30% registration fee discount for one author per paper

## Topics for ICE/(P)HEV/EV

### Technology Trends and Strategies

- Transmission technologies
- (P)HEV/EV transmissions and drives
- Key sub-systems of transmissions & drives
- The role of transmissions in the future
- PT platform strategies for ICE/(P)HEV/EV

### Products and Applications

- Transmission technologies
- (P)HEV/EV transmissions and drives
- E-motor technologies
- Engine start/stop systems
- Energy Accumulation
- Sub-systems, components and parts
- Lubrication and additive
- Material and manufacturing process

### Development Technologies and Tools

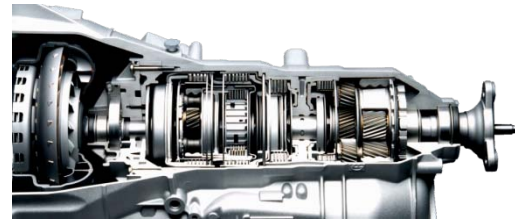
- Process, standards, quality control, measurement and evaluation
- Virtual development
- Control technology development
- Calibration
- Driveline NVH optimization
- Driveability
- Durability
- Testing and validation
- Function safety
- Road - Load cycles

## Submission of Papers

- Conformity with topics
- Published papers are accepted ( publication info need to be noted when submitting)
- Must highlight innovation and actual or expected impact
- Case study or analysis of research results in a paper is advised
- Paper title & abstract (about 300 EN or 550 CN words) are required for previewing
- All papers can be written in EN or CN (oral presentation in EN or EN&CN preferred)
- Number of words: roughly around 2000 English words( approx. 9 pages incl. formulations, photos and figures)
- Name(s) of the author(s), work unit, telephone and email are required in the paper
- Format: Microsoft office word

## Send to

Please send your paper to Ms. Jia : [jqq@sae-china.org](mailto:jqq@sae-china.org); [sae830@sae-china.org](mailto:sae830@sae-china.org)



### Examples on Practical Solutions

- Automatic T/Ms applications in HEVs
- New tech and products for integrated drive systems
- E-motor control
- HEV/EV powertrain control development
- Development software for HEV drives
- Start/stop systems with automatic T/Ms
- Performance integration – T/M, engine and vehicle
- Key technologies for upgrading T/Ms
- Control technologies for multi-speed T/Ms
- Light weight solutions for multi-speed T/Ms
- Actuation efficiency improvement
- NVH optimization of powertrain mounting
- Accelerated durability test
- Design of hydraulic control systems
- Gear flexibility vs. multi-speeds
- Mass production technologies for DCTs and others
- AMT, AT and HEV technologies for commercial vehicle



## Review Committee

### Enterprise :

Dr. FANG Weirong, Global Director of Transmission Department, SAIC Motor Technical Center  
Mr. WANG Conghe, Director of Transmission Engineering Dept. PATAC Powertrain  
Mr. WANG Zhaohui, CVT Project Supervisor, BAIC Motor Powertrain  
Mr. WANG Huizhong, Vice President, Shanghai Automobile Transmission  
Mr. LU Jiangang, Chief Engineer, Powertrain Division, Beijing Auto Research Institute, BAIC  
Dr. HE Bin, Senior Manager, Electric Propulsion System, PATAC Powertrain NEV  
Ms. LI Zheng, Chief Engineer, Dongfeng Motor Corporation Technical Center  
Mr. ZOU Xiaojun, Transmission Project Leader, Dongfeng Motor Technical Center  
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Mr. ZHENG Lipeng, Director of Automatic Transmission Project, Transmission R&D, Center Great Wall Motor  
Mr. Peng Qingfeng, Vice President, Chery New Energy Vehicle Co., Ltd.  
Mr. GE Hailong, Manager of E-Drive Transmission, Shanghai E-Propulsion Auto Technology

### University :

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Prof. WU Guangqiang, Institute of Industrial Science, Automotive School, Tongji University  
Prof. ZHANG Junzhi, Tsinghua University  
Prof. LI Heyan, Institute of Special Vehicle, School of Mechanical Engineering, Beijing Institute of Technology  
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