EITRT2017
2017 International Conference on Electrical and Information Technologies for Rail Transportation

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Brief Introduction of BJTU

Beijing Jiaotong University (BJTU) is a national key university of China, under the direct administration of the Ministry of Education and jointly sponsored by the Ministry of Education and the Ministry of Railways. BJTU is one of the first universities in China authorized to confer master's and doctoral degrees autonomously.BJTU is one of the first National 211 Project universities, one of Innovation Bases of the National 985 Project, and one of the 56 universities authorized to establish a Graduate School in China.

BJTU has 8 national key disciplines, which are Traffic and Transportation Planning and Management, Traffic Information Engineering and Control, Communication

and Information Processing, Information and Signal Processing, Industrial Economics, Road and Railway Engineering, Transportation Tools Application Engineering, and Bridge and Tunnel Engineering. The University has 120 master's programs, 60 doctoral programs under 11 first-level doctoral discipline categories, 13 post-doc research stations, and 4 professional degree programs including MBA, Meng, MPAcc and JM. There are 1 national key lab, 2 national engineering labs, 1 national engineering research center, 3 national certification labs, 3 MoE key labs, 4 MoE engineering research centers, 4 municipal key labs, China Integrated Transportation Research Center and China Center for Industrial Economic Security Research. In recent year, the University has been responsible for over 4,000 research projects at national, ministry and municipal levels.

Welcome to EITRT2017

We are pleased to announce the 3rd International Conference on Electrical Engineering and Information Technologies for Rail Transportation 2017(EITRT2017) will take place in Changsha, Hunan Province, P.R. China, October 20-22, 2017, which will bring together worldwide practitioners, leading researchers and postgraduates showcasing state of the art research, innovation and industry practice at all levels and in all process in the electrical engineering and information technologies and sciences for rail transportation. The conference will be hosted by Committee of Electrical and Electronic Technologies for Rail Transportation, China Electrotechnical Society, Beijing Jiaotong University, the State Key Laboratory of Heavy Duty AC Drive Electric Locomotive Systems Integration, CRRC Zhuzhou Locomotive Co. Ltd.,etc. The purpose of EITRT2017 is to provide a platform for a huge gathering international researchers, academics and industrial professionals to exchange their research results and experience, to update their knowledge, and to present their new development and practical activities in Rail Transportation. The conference will also provides opportunities for the delegates to communicate face to face, to establish important research networks and business relationships, and to find global partners for future research collaboration. The Conference Proceedings will be published by Springer-Verlag Publisher, Germany. The excellent papers will be recommended to railway relevant journals.

We would like to emphasize that the 1st EITRT2013 and 2nd EITRT2015 which were held in Changchun, Jilin Province and Zhuzhou, Hunan Province, China respectively were awarded as Gold Excellent Conferences by Chinese Ministry of Education Academics in 2013 and 2017.

Sponsor and Co-sponsors

Sponsors:

Committee of Electrical and Electronic Technologies for Rail Transportation, China Electrotechnical Society, China
Beijing Jiaotong University, China

Organizer:

The State Key Laboratory of Heavy Duty AC Drive Electric Locomotive Systems Integration, CRRC Zhuzhou Locomotive Co., Ltd., China

Co-sponsors:

State Key Laboratory of rail traffic control and safety, Beijing Jiaotong University, China
National Engineering Laboratory for System Integration of High-speed Train, CRRC Changchun Railway Vehicles Co., Ltd. , China
National Engineering Laboratory for High-speed Train, CRRC Qingdao Sifang Co., Ltd., China
CRRC Institute Co., Ltd. , China
National Engineering Research Center of Converting Technology, China
The Center of National Railway Intelligent Transportation System Engineering and Technology, China Academy of Railway Sciences, China
State Key Laboratory of traction power, Southwest Jiaotong University, China

Beijing Engineering Research Center for Urban Traffic Information Intelligent Sensing and Service Technologies, China
Beijing Engineering Research Center for Electrical Rail Transit , China
State Key Laboratory of Rail Transit Engineering Informatization , China
National Engineering Laboratory for High-Speed Railway Construction , China
University of Salford, UK
University of Birmingham, UK
Springer-Verlag Publisher, Germany

Supporting Organizations:

Beijing Qiansiyu Electric Co. LTD. , China
Rail Intelligent Transportation System Specialized Committee, China Intelligent Transportation Association, China
Zhuzhou CRRC Rail Transit Journal Press, China
Journal of Beijing Jiaotong University, China
Zhuzhou CRRC Times Publishing Co. LTD. , China
Transactions of China Electrotechnical Society, China Electrotechnical Society, China
Beijing Oriental Culture Communication Co. Ltd. , China

Keynote Speech

The event promises a huge gathering of key international experts and speakers from industry, academia and the research community, forming an important networking point for all participants. Keynotes will be given by international and national experts and scholars in the field of rail transportation. During the period of the Conference visits to a number of famous international rail transport enterprises, and national key laboratories will be arranged.

Publications and Indexing

All accepted papers in English will be published in the Conference Proceedings (LNEE, ISSN：1876-1100, EI source) by Springer-Verlag Publisher, Germany, which will be submitted to EI Compendex indexing. High quality papers will be recommended for publication in relevant international journals indexed by SCI.

All accepted papers in Chinese will be published in the Proceedings of EITRT2017 in Chinese, which will also be indexed by CNKI. Excellent papers will be recommended to the Journal of Electric Locomotives & Mass Transit Vehicles, Journal of Beijing Jiaotong University, the Journal of Electric Drive For Locomotives, and the Journal of High Power Converter Technology etc.

Call for Paper

Papers are invited on research in Electrical and Information Technologies related with Rail Transportation, including but not limited to the following topics:

AREA 1: **Novel Traction Drive Technologies of Rail Transportation**	New Power Electronic Devices and Applications Power Quality Management in Rail Transportation High Quality Current-carrying Technology Advance Micro-Control System Traction Motor Control High Frequency of Power Electronics Efficiency-Increasing Control for Traction System Traction Safety and Control Technologies under Complex Conditions	Electric Braking Security Power Electronic System RAMS Error Detection, Diagnosis and Remaining Life Prediction of Power Electronic System Hybrid Traction Technologies Key Technologies of Energy Saving and Emission Reduction Application of Lithium Battery, Super Capacitor, etc. in Rail Transportation New Traction Power Supply System of Rail Transportation New Traction Drive System of Rail Transportation
AREA 2: **Safety Technology of Rail Transportation System**	Rail Transportation System Safety and Risk Analysis Security Monitoring and Early Warning and Emergency Response Rail Transportation System Safety Factor Modeling and Simulation	Rail Transportation System Fault Detection, Diagnosis and Forecast Rail Transportation System RAMS Rail Transportation Emergency Management
AREA 3: **Rail Transportation Information Technology**	New Technology of Train Network Rail Transportation Information Security Technology Rail Transportation Information System Pattern Recognition Rail Transportation Embedded System and Applications Rail Transportation Data Mining and Cluster Analysis	Adaptive Signal Processing and Control Rail Transportation Dynamic Systems Modeling and Computer Simulation Advanced Train Operation Control System Rail Transportation Communication Technology Rail Transportation Automatic Control and Automation
AREA4: **Rail Transportation Operational Management Technology**	Urban Rail Transportation Operation and Maintenance Management Rapid Railways Operation and Maintenance Management	Rail Transportation Planning and Operation Optimization Rail Transportation System Modeling and Analysis Rail Transportation Organizational Optimization
AREA5: **Rail Transportation Cutting-edge Theory and Technology**	Big Data and Application of Rail Transportation Rail Transportation and Artificial Intelligence Technology Rail Transportation and Internet of Things Technology	Rail Transportation and Internet Technology Rail Transportation and New Energy Technology Rail Transportation and Novel Material Technology New Rail Transportation System

Submission Guidelines

All manuscripts should be submitted by mail at iceitrt@126.com, and English and Chinese paper templates can be found at http://www.eitrt.org/wzAbout.asp?ID=7

Important Dates

Deadline of paper submission   ~~May 20, 2017~~, June 30, 2017
Notification of acceptance   July 20, 2017
Camera-ready copy   August 10, 2017
Conference   October 20-22, 2017

Registration Fee

The registration fee is as below:

	Early Registration (within 15 days after Acceptance Notification)	Late Registration (More than 15 days after Acceptance Notification)
Page charges （Students）	350 USD/2000 RMB	400 USD/2400 RMB
Page charges (Regular Authors)	400 USD/2400 RMB	450 USD/2600 RMB
Conference fees	160 USD/800 RMB	160 USD/800 RMB
Additional Paper (s)	350 USD/2000 RMB	350 USD/2000 RMB
Additional Page (Up to 8 extra pages)	50 USD/300 RMB	50 USD/300 RMB
Papers in Chinese	1500 RMB	1500 RMB

The conference registration includes: access to all conference sessions and keynote lectures +1 USB Disk (including the EITRT2017 proceedings).

Contact Us

Beijing Jiaotong University
No.3 Shang Yuan Cun,Hai Dian District
Beijing 100044, China
Cell phone: +0086-185-1158-1038
E-mail: iceitrt@126.com

EITRT

Conference Photos

EITRT2015 has been held in Zhuzhou

EITRT2013 has been held in Changchun

EITRT2015 has been held in Zhuzhou

What's New   more

▣ The proceedings of EITRT2017 have been indexed by EI-Compendex	2018-04-28
▣ The proceedings of EITRT2017 have been published by Springer-Verlag	2018-04-26
▣ 有关施普林格出版英文论文集清样核对事宜有关通知	2017-12-25
▣ EITRT2015 has been held in Changsha successfully	2017-11-07
▣ The Final Program of EITRT2017	2017-10-14
▣ The Proceedings of EITRT2015 was awarded the Best Download Prize	2017-06-02
▣ The proceedings of EITRT2015 have been indexed by EI-Compendex	2016-08-08
▣ The proceedings of EITRT2015 have been published by Springer-Verlag	2016-03-15
▣ EITRT2015 has been list in the Excellent meeting by Sciencemeeting Online of The Ministry of Education	2016-01-21
▣ EITRT2015 has been held in Zhuzhou successfully	2015-11-21
▣ Final Conference Program of EITRT2015	2015-09-29
▣ EITRT2015 has been list in the web of Sciencemeeting Online of The Ministry of Education	2015-04-20