2013 International Conference on Electrical and Information Technologies for Rail Transportation

(November 7-10, 2013, Beijing, China)

http://www.eitr.org/

2013 International Conference on Electrical Engineering and Information Technologies for Rail Transportation (EITRT2013) will be hosted by The Electrical Equipment Technology Committee for Rail Transportation, China Electrotechnical Society, Beijing Jiaotong University, and CNR Changchun Railway Vehicles Co., LTD, etc in Changchun during November 7-10, 2013. The aim objective of EITRT2013 is to provide a platform for researchers, academicians as well as industrial professionals from all over the world to present their research results and development activities in the fields of Electrical and Information Technologies related with Rail Transportation. The conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish research or business relations and to find global partners for future research collaboration.

**Sponsor and Co-sponsors**

**Hosted by:**
The Electrical Equipment Technology Committee for Rail Transportation, China Electrotechnical Society
Beijing Jiaotong University

**Organizer:**
CNR Changchun Railway Vehicles Co., LTD

**Co-sponsored by:**
Beijing Qiansiyu Electric Co., LTD.
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**Keynote Speakers**

- Prof. Shi Zhongheng, Academician of China Academy of Engineering, China
- Prof. Qian Qingquan, Academician of China Academy of Engineering, China
- Pro. Satoru SONE, Tokyo University, Japan
Prof. Min An, University of Birmingham, UK
Experts of Siemens
Experts of Alstom
Experts of Hitachi

**Indexing**
All accepted papers in English will be published by Springer-Verlag, which will be submitted to *EI Compendex* indexing. High quality papers will be recommended for publication in international journals indexed by *SCI or EI*.
All accepted papers in Chinese will be published in the EITRT2013 Proceedings in Chinese, which will be indexed by *CNKI*.

**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:

<table>
<thead>
<tr>
<th>AREA 1: Electrical Traction and Power Supply of Rail Transportation</th>
<th>New Technologies for Electrical Traction and Power Supply</th>
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<tbody>
<tr>
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<td>Power Quality Management in Rail Transportation</td>
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<td>Characteristic Research of Pantograph-Catenary</td>
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<td>Advance Micro-Control System</td>
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<td>Traction Motor Control</td>
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<td>Auxiliary Converter</td>
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<td>Soft-Switch Research</td>
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<td>Efficiency-Increasing Control for Traction System</td>
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<td>Electrical Traction and Power Supply Control Technologies under Complex Conditions</td>
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<td>Electric Braking Security</td>
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<td>Power Electronic System RAMS</td>
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<td>Error Detection, Diagnosis and Remaining Life Prediction of Power Electronic System</td>
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<td>Electric Traction and Power Supply System Integrated Design</td>
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<td>Electric Traction and Power Supply System Matching</td>
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<td>Electric Traction and Power Supply System Maintenance and Repair</td>
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<th>AREA 2: system safety and emergency management</th>
<th>system safety and risk analysis</th>
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<td>safety monitoring and early warning</td>
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<td>safety factor modeling and simulation</td>
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<td>fault detection, diagnosis and forecast</td>
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<td>reliability engineering</td>
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<td>maintenance engineering</td>
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<td>rail transportation system RAMS</td>
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<td>rail transportation plan and optimization</td>
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<td>rail transportation emergency management</td>
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### AREA 3: Information and Computer Technology

- Computer technology
- Computer security
- Information system
- Information fusion
- Database system
- Pattern recognition
- Embedded system and applications
- Data mining and cluster analysis
- Adaptive signal processing and control
- Dynamic systems modeling
- Internet technology
- Internet of things and cloud computing
- Computer simulation

### AREA 4: Rail Transportation and Automatic Control

- Rail transportation demands management
- Rail transportation planning and operation optimization
- Rail transportation system modeling and analysis
- Novel rail transportation system
- Advanced train operation control system
- Automatic control
- Artificial intelligence technologies and applications in rail transportation

### AREA 5: Application of Energy-Saving and New Energy Technology in Rail Transportation

- Key Technologies of Energy Saving and Emission Reduction
- Hybrid Technology
- Application of Lithium Battery, Super Capacitor, etc. in Rail Transportation
- New Energy Technology for Rail Transportation
- New Technology for Future Rail Transportation

### Important Dates

- **Deadline of paper submission**: August 25, 2013
- **Notification of acceptance**: September 20, 2013
- **Camera-ready copy**: October 10, 2013
- **Conference**: November 7-10, 2013

### Submission Guidelines

You can submit your paper(s) by two ways: E-mail and online Easychair Submission System.

1. Easychair Submission System
   - [https://www.easychair.org/conferences/?conf=eitrt2013](https://www.easychair.org/conferences/?conf=eitrt2013)
2. Submission Email: iceitrt@126.com
**Registration Fee**

The registration fee is as below:

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<tr>
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<th>Early Registration</th>
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<td>350 USD/2000 RMB</td>
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<td>Regular Authors</td>
<td>400 USD/2400 RMB</td>
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<td>Papers in Chinese</td>
<td>1500 RMB</td>
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**Contact Information**

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