

THE 5TH INTERNATIONAL CONFERENCE ON ENTERPRISE SYSTEMS ES2017

22-24 SEPTEMBER 2017, BEIJING, CHINA

Special Session on “The Advanced Informatization of Railway Industry” Call for Papers

Theme: Rail transit is a grand blueprint for Made in China 2025 and Industry 4.0. With the large-scale transportation upgrades and the growth of mobile/wearable Internet-of-Things devices, the shapely expanding contents open up a higher peak for cyber networking, big-data analysing and transportation system. In this case, high quality enterprise services become critical market demands in railway industry, which is also recognized as a vital industrial informatics. The advanced informatization of railway industry will not only be more reliable, effective and real-time, but also requires the support of the latest technology, such as 5G, wireless communication, security and safety, industrial automation, propulsion system, vehicular system, artificial intelligence, etc.. However, a number of challenges due to its particularity are exposed, especially in station yards, high-speed and vehicular scenarios. This special session solicits technical papers describing original ideas, methodology, and experiments from theoretical design to practical deployment of cyber system for transportation industry.

Topics of interest include, but are not limited to:

- Emerging network architectures for railway industry
- Smart Internet of Things technologies for railway industry
- Big data technologies for railway industry
- Protocol design and resource allocation for railway industry
- 5G enable technologies for railway industry
- Safety and security technologies for railway industry
- Wireless networking/communication technologies for transportation system
- Advanced propulsion technologies for transportation system
- Testbed, implementation and deployment for transportation industry

Submission

When you submit your paper, please select this section in the submission system.

Principal Organizer

Principal Organizer: Dr. Tao Zheng (zhengtao@bjtu.edu.cn), Beijing Jiaotong University, China

Co-organizer: Dr. Bo Yang (bo.yang@rail.bombardier.com), Bombardier Transportation, Sweden

Important Dates:

Submission deadline: May 31, 2017 (passed)

Notification of acceptance: July 7, 2017

Final manuscript due: July 31, 2017

Registration due: Aug. 22, 2017

Note: the special sessions apply the same deadlines and submission instructions, please check the updated deadline at <http://www.ie.tsinghua.edu.cn/es2017> .