

December 21-23, 2018

Beijing Union University, China

**2018 7th International Conference on Transportation
and Traffic Engineering (ICTTE 2018)**

2018 年第七届运输与交通工程国际会议

With the workshop

**2018 International Conference on Mechanical Engineering and Power
Engineering (MEPE 2018)**

2018 年机械与电力工程国际会议

December 21-23, 2018

Beijing, China

Address: No. 97 Beisihuan East Road, Chao Yang District, Beijing, P. R. China

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Instructions

Registration Guide:

Arrive at the Conference Venue→Inform the conference staff of your paper ID→Sign your name on the Participants List→Check your conference materials.

Checklist:

1 receipt, 1 name card, 1 printed conference abstract, 1 lunch coupon, 1 dinner coupon, 1 computer bag, 1 USB stick (paper collection).

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)
Projectors & Screen
Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation:

Regular Oral Session: 15 Minutes of Presentation including 2-3 Minutes of Q&A

Notice:

- *Certificate of Listener can be collected in the registration counter.
- *Certificate of Presentation can be collected from the session chair after each session.
- *The organizer will not provide accommodation, so we suggest you make an early reservation.
- *One best presentation will be selected from each session. The best one will be announced when each session ends and will be awarded by the session chair after each session in the meeting room.

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Welcome Letter

Dear Participants,

Welcome to 2018 Beijing conferences! The conferences aim to bring together international academicians, scientists and industrialists for knowledge sharing, ideas exchanging and outcomes collaborating and presenting in Transportation and Traffic Engineering, Mechanical Engineering and Power Engineering.

We wish to take this opportunity to express our heartfelt appreciation to our Conference Advisory Committee Prof. Lee Der-Horng, from National University of Singapore, Singapore; our Conference Chairs Prof. Xuewei Lee, from Beijing Union University, China; Prof. Monteiro Figueira, from University Lusofona, Portugal; our Conference Program Chairs Prof. Jianjun Fang from Beijing Union University, China; Prof. Lianying Sun from Beijing Union University, China; Prof. Khair S. Jadaan, from University of Jordan, Jordan; and our Conference Local Chair Prof. Jin Zhou, from Beijing Union University, China.

Also, we would like to thank the committee members for their hard work in making smooth running of the conferences. Many thanks to the reviewers for their excellent job to maintain the academic quality and scholarship.

Besides, we would like to thank you Beijing Union University for your great support to this conference.

Finally, we would like to thank you, our participants, for coming to Beijing during your busy schedule to share your knowledge with us. We hope our conferences will prove to be intellectually stimulating to you as to us.

Hope you enjoy the conferences, the food, the hospitality, and the beautiful and charming environment of Beijing!

Conference Organizing Committees

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Assoc. Prof. Ng Teng Yong, Nanyang Technological University, Singapore


Prof. Xili Duan, Memorial University of Newfoundland, Canada

Prof. Zhihua Cheng, Shanghai University, China

Agenda Overview

Friday, Dec. 21, 2018		
10:00-17:00	Conference Check in and Materials Collection	Lobby 1F, Laboratory Building
14:30-16:30	Academic Visiting Gather at 14:10, Lobby 1F, Laboratory Building	Beijing Union University
Saturday, Dec. 22, 2018		
Conference Host Prof. Jianjun Fang, Beijing Union University, China 北京联合大学城市轨道交通与物流学院 方建军教授		
9:00-9:10	Opening Remark Prof. Xuewei Lee, Beijing Union University, China 北京联合大学 校长 李学伟教授	Lecture Hall of Laboratory Building
9:10-9:50	Speech I Prof. Lee Der-Horng National University of Singapore, Singapore <i>Speech Title: AI-powered Integrated Intelligent Urban Traffic Management</i>	
9:50-10:15	Speech II Prof. Xuewei Lee, Beijing Union University, China 北京联合大学 校长 李学伟教授 <i>Speech Title: Safety Theory and Key Technologies of Urban Rail Transit</i>	
10:15-10:45	Coffee Break & Group Photo	
10:45-11:10	Speech III Prof. Lei Nie, Beijing Jiaotong University, China 北京交通大学交通运输学院 院长 聂磊教授 <i>Speech Title: China's High Speed Railway Network and the Challenges to Its Operation</i>	

11:10-11:35	<p style="text-align: center;">Speech IV</p> <p style="text-align: center;">Mr. Gao Chunhai, Beijing Traffic Control Technology Co., Ltd., China 交控科技股份有限公司董事长/城市轨道交通列车通信与运行控制国家工程 实验室主任</p> <p style="text-align: center;"><i>Speech Title: Application of Artificial Intelligence in the Rail Transit Industry</i></p>	Lecture Hall of Laboratory Building
11:35-12:15	<p style="text-align: center;">Speech V</p> <p style="text-align: center;">Prof. Monteiro Figueira University Lusofona, Portugal</p> <p style="text-align: center;"><i>Speech Title: Improving Walkability Strategies for Pedestrians</i></p>	
12:15-13:45	<p>Lunch</p> 	Nanyuan Dinning Holl 4F
Oral Presentation Session		
13:45-15:45	<p style="text-align: center;">Session 1: Vehicle design and control TE003,TE025,TE026,TE038,TE048,TE049,TE082,TE067</p>	Meeting Room 2, 5F, Building 3
13:45-15:45	<p style="text-align: center;">Session 2: Traffic operation and dispatch TE062,TE037,TE042,TE027,TE077,TE094,TE096,TE099</p>	Meeting Room 3, 5F, Building 3
13:45-15:45	<p style="text-align: center;">Session 3: Materials and Mechanical Engineering TE2001-A,TE0015,TE0016,TE1018,TE0017,TE0018,TE0013,TE071</p>	Meeting Room 4, 5F, Building 3
13:45-15:45	<p style="text-align: center;">Session 4: Information Transportation and Digital Network TE018,TE020,TE055,TE065,TE016,TE073,TE1003,TE1017-A</p>	Meeting Room 5, 5F Building 3
15:45-16:00	Coffee Break and Free Discussion	Corridor 5F, Building 3
16:00-18:15	<p style="text-align: center;">Session 5: Urban rail transit and railway construction TE006,TE010,TE011,TE019,TE021,TE023,TE024,TE036,TE058</p>	Meeting Room 2, 5F, Building 3
16:00-18:30	<p style="text-align: center;">Session 6: Transportation and driving safety TE002,TE098,TE005,TE080,TE081,TE095,TE052,TE063,TE075,TE0012</p>	Meeting Room 3, 5F, Building 3
16:00-18:30	<p style="text-align: center;">Session 7: Transportation infrastructure construction TE008,TE031,TE044,TE045,TE046,TE047,TE054,TE056,TE084,TE104</p>	Meeting Room 4, 5F, Building 3
16:00-18:30	<p style="text-align: center;">Session 8: Road safety and traffic management TE001,TE051,TE074,TE009,TE032,TE033,TE101,TE1016,TE103,TE004</p>	Meeting Room 5, 5F, Building 3

16:00-18:30	Poster Session TE1001,TE1002,TE014,TE029,TE030,TE1010,TE050	Building 3, 5F
18:30-20:00	Dinner 	Nanyuan Dinning Holl 4F
Sunday, Dec. 23, 2018		
One Day Tour in Beijing Onsite registration cannot be accepted		

Venue Map

Beijing Union University

No. 97 Beisihuan East Road, Chao Yang District, Beijing, P. R. China

➤ **Registration Desk**

Lobby 1F, Laboratory Building—实验楼一楼大厅

➤ **Coffee Break**

Corridor 5F, Building 3—3 号楼 5 层走廊区域

➤ **Lecture Hall**

Lecture Hall of Laboratory Building—实验楼报告厅

Meeting Room 2, 3, 4 & 5, 5F, Building 3—3 号楼 5 层第二、三、四、五会议室

➤ **Lunch & Dinner**

Nanyuan Dinning Holl 4F—南苑食堂四层

Academic Visiting

Time/时间	Agenda/日程
December 21 14:10	Gather at Lobby 1F, Laboratory Building, Beijing Union University 北京联合大学实验楼一楼大厅集合
14:30-16:30	General View of Beijing Union University 北京联合大学介绍
	Lab Visit 城市轨道交通信号与控制实验室 (实验楼 0124) 物流工程实验室 (实验楼 0105) 电气传动控制实验室 (实验楼 0121) 轨道交通仿真实验室 (实验楼 0509)
	Interactive Academic Session 自由学术讨论交流

One Day Tour in Beijing

Time/时间	Agenda/日程
December 23 7:00	Gather at 7:00 Pickup Service offered in ring road 5 of Beijing 七点集合，北京五环内可到指定地点接载
8:00-12:00	The Summer Palace 颐和园
11:30-12:30	Lunch Time 午餐
12:30-15:00	The Palace Museum 故宫博物院
15:00-16:30	The Prince Gong's Mansion, Gong Wang Fu 恭王府
<p>1. Lunch and Tickets of Scenic Spots are already included in the fee</p> <p>2. Onsite registration cannot be accepted</p>	