

Mobility in China (MiC)

TRENDS, CONCEPTS AND CHALLENGES OF CHINA'S INNOVATIVE RAILWAY TRANSPORT

16–17 November 2017

Invitational Workshop
at the *Center for Cultural Studies on Science and Technology in China*
TU Berlin, Germany

– *Call for Contributions* –

Demands on mobility are increasing worldwide. Especially China currently faces major challenges due to rapid social, economic and technological change. Urgent problems include devastating environmental pollution as well as substantial urbanization and internal migration. Chinese municipal governments have taken measures to decrease traffic in large cities, such as the expansion of the road and track network and the announcement of new rules for car traffic. In the long run, there are ambitious plans regarding the broad electrification and automation of traffic. Still, for solving China's pressing issues, dealing with infrastructure and mobility concerns now is of key importance.

The workshop "Trends, Concepts and Challenges of China's Innovative Railway Transport" will bring together experts from different fields. Railway scientists, railway administrators, railway operators and logistics professionals will present and discuss their views on China's railroad development. Topics can include cross-border administration and logistic bottlenecks, energy consumption on high-speed passenger trains, gauge-changeable rolling stock and coupler interchange methods in the freight systems, the lack of suburban railway commuter services on Chinese Railway and the role of automatized electromobility as a feeder function for public transport systems. The workshop focuses on three areas of rail mobility:

1. High-speed passenger systems;
2. Freight services of Chinese Railways: present and probable changes to multimodal logistic carriers;
3. Urban and local rail-bound transport: lack of railway commuter systems, the role of automatized electromobility as a feeder function for public transport systems

Additionally, the workshop will examine the current technological, scientific and economic questions in the context of geopolitical developments and strategies concerning the New (Iron) Silk Road and the One Belt, One Road (OBOR) initiative.

The event is part of the project "Mobility in China" (MiC) at TU Berlin. It aims at intensifying the cooperation between science and research communities, railway manufacturing practitioners and railway operation and logistic experts in China and Germany.

The workshop language is English. Limited funds for travel grants are available.



SUBMISSION GUIDELINES (Deadline: 15 July 2017)

Presentations by researchers, alumni and practitioners within the experts' working groups should relate to one or more of the following topics:

- freight transport
- (high-speed) passenger transport
- urban and local transport

Submissions for presentations should include a title, an abstract in English (maximum 350 words), the author's affiliation and contact details. Please let us know if your contribution needs to be translated into English. Please submit your contribution by 15 July 2017 to the conference organizers (Dr Dirk FORSCHNER, Philipp MAHLTIG & Sophie WOHLGEMUTH) at mic@china.tu-berlin.de.

PRELIMINARY AGENDA

DATE	TIME	SESSION
THU, 16 Nov	09:30	Welcome addresses
	10:00	Introduction of the participants, scope of work, expectations of the expert's groups
	11:00	Coffee and tea break
	11:30	Contextualization: China's Railways and the One Belt, One Road initiative
	12:30	<i>Lunch break</i>
	14:00	Contextualization: Germany's Role in China's Historic and Present Railway Development
	15:00	Presentations and discussions in working groups: <ul style="list-style-type: none"> - high-speed - freight - urban and local transport
	16:00	<i>Coffee and tea break</i>
	16:30	Working groups (continued)
	19:00	<i>Joint dinner</i>
FRI, 17 Nov	09:30	Reports of working groups in the plenum
	11:00	<i>Coffee and tea break</i>
	11:30	Wrap-up session
	12:30	<i>Lunch</i>
FRI-SAT, 17-18 Nov		Optional cultural program and optional field trip to ZNTK Poznan in Poland (demonstration of interchangeable railway wheel sets, tbc)

