

Wuyang YUAN

PERSONAL DATA

PLACE AND DATE OF BIRTH: Nanchang, Jiangxi, China | 5 Jul 1991
ADDRESS: No 3 Shangyuancun Beijing Jiaotong University, Beijing, P.R.China
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EDUCATION

SEPT 2014 Studying for a PhD in Traffic and Transportation Planning and Management,
- **Beijing Jiaotong University**, Beijing
NOW Advisor: Prof. Lei NIE

SEPT 2012 Master Degree in Traffic Engineering,
- **Beijing Jiaotong University**, Beijing

JUL 2014 Thesis: Research and Implementation of Earthquake Emergency Response
System in Normal Speed Railway Based on GIS | Advisor: Prof. Futian WANG
GPA: 3.3/4.0

SEPT 2008 Undergraduate Degree in Traffic and Transportation (Railway Transportation),
- **Beijing Jiaotong University**, Beijing

JUL 2012 Thesis: The Design and Implementation of an Equipment Management
Information System in Railway Freight Yard (Private Siding) based on
GIS | Advisor: Prof. Futian WANG
GPA: 3.4/4.0

RESEARCH INTERESTS

Railway Passenger Transportation: Line Planning, Timetabling, Rolling Stocks Scheduling.
Revenue Management: Seat Inventory Control, Dynamic Pricing.

PAPERS

- Yuan, W., et al., A dynamic bid price approach for the seat inventory control problem in railway networks with consideration of passenger transfer. PLOS ONE, 2018. 13(8).
- Wuyang Yuan, Lei Nie, Xin Wu. A dynamic bid price approach for the seat inventory control problem in high-speed railway networks considering passenger transfer service, 97th TRB Annual Meeting, 2018.
- Wuyang Yuan, Lei Nie, Huiling Fu, Xin Wu, Yu Ke. simulation-based method for seat inventory control optimization under heterogeneous customer behavior: a case study of china railway, The 18th COTA International Conference, 2018.

COMPUTER SKILLS

Writing Tools: \LaTeX , Markdown, MS Office

Project Management Tools: Git

Programming Languages: C#, Java, VB, Matlab, Python

PROJECT EXPERIENCES

2011-2012	Marketing Management Decision Support System, China Railway Guangzhou Group Co.,Ltd.
2012-2013	Infrastructure Management Information System, Shenshuo Railway Company
2013-2014	Earthquake Emergency Management Information System, China Railway Information Technology Center
2014-2015	EMU Management Information System, China Railway Corporation
2015-2016	Line Planning Evaluation System, China Railway Guangzhou Group Co.,Ltd.
2016-2017	Seat Inventory Control Decision Support System, China Railway Nanning Group Co.,Ltd.