

Fan Bu, M.S., Ph.D. Candidate

CONTACT INFORMATION

88 E Dunbar Ln. Apt 306
Fayetteville, AR 72703

479-407-5437 (mobile)
fanbu@uark.edu (email)

EDUCATION

Ph.D., Industrial Engineering (third year, qualifier exam passed)
University of Arkansas (UofA), August, 2018 (started), August 2023 (expected)

Advisor: Heather Nachtmann, Ph.D.
GPA: 3.7/4.0

M.S., Engineering Business Management

Warwick University, UK, August 2014

Thesis title: Exploring the Concept of Guanxi Role in Determining Customer Satisfaction in Chinese Manufacturing SMEs

Advisor: Paul Connor, Ph.D.
GPA: 3.64/4.0

B.S., Telecommunication Engineering

Beijing Jiaotong University, China, July 2013

RESEARCH INTERESTS

Economic Analysis
Decision Models & Decision Analysis
Supply Chain Management
Mathematical Programming
Multiregional Input-Output Models

Maritime Transportation System
Port/Terminal Management

HONORS AND AWARDS

Member of Alpha Pi Mu Honor Society

P.K. Kuroda Endowed Graduate Fellowship in Engineering (\$5000 annually from 2018 to current)

PUBLICATIONS

Journal Articles

Bu, F., & Nachtmann, H. (2021). Literature Review and Comparative Analysis of Inland Waterways Transport: 'Container on Barge'. *Maritime Economics & Logistics*. (Accepted)

Conference Proceedings

Oztanriseven, F., Bu, F., & Nachtmann, H. (2019). MEASURING ECONOMIC IMPACTS OF INLAND WATERWAY TRANSPORTATION. In *Proceedings of the International Annual Conference of the American Society for Engineering Management*. (pp. 1-9). American Society for Engineering Management (ASEM).

CONFERENCE PRESENTATIONS GIVEN

Bu F. (Speaker), Moradpour S., Nachtmann H., Chimka J.R. (2019), *Regional Economic Impacts of the McClellan-Kerr Arkansas River Navigation System*, 2018 IISE Annual Conference.

Bu F. (Speaker) and Nachtmann H.(2019), *Measuring Economic Impacts of Inland Waterway Transportation*, 2019 ASEM Annual Conference.

Bu F. (Speaker) and Nachtmann H.(2020), *Feasibility Study of Implementing Inland Waterway Container on Barge (COB) Transportation*, 2020 IISE Annual Conference.

POSTER PRESENTATIONS GIVEN

Bu, F. (speaker), Moradpour, S., Nachtmann, H. and Chimka, J.R. (2018). Modeling Dynamic Behavior of Navigable Inland Waterways. *2018 Jack Buffington Mack-Blackwell Transportation Center Outstanding Student Poster Session*

Bu, F. (speaker), Nachtmann, H. and Chimka, J.R. (2018). Modeling Dynamic Behavior of Navigable Inland Waterways. *2019 Jack Buffington Mack-Blackwell Transportation Center Outstanding Student Poster Session*

SKILLS

Language

Chinese (Native), English (Fluent)

Computer

Programming	Python
Optimization	AMPL
Statistical	Minitab
Simulation	Python
Document Preparation	LaTeX
Operating System	Windows, Mac OS, Linux

RESEARCH EXPERIENCE

Graduate Research Assistant

Department of Industrial Engineering, UofA, August 2018 – Current

Project: “Modeling Dynamic Behavior of Navigable Inland Waterways” funded by Maritime Transportation Research & Education Center, US Department of Transportation, August 2018 – May 2020

INDUSTRIAL EXPERIENCE

Project Manager

Shanghai Feihe Industry Group Company Ltd.

Shanghai, China

06/2016 – 06/2018

- Analyze the current status of electrical automobile industry development in China.
- Analyze the market status of electrical automobile in North China
- Conduct feasibility assessment of establishing Hebei Tangshan Aoneng Electrical Automobile Co., Ltd.
- Factory layout planning
- Manufacturing process planning
- Quality control in manufacturing prototype electrical sedan

- Manage battery (18650 unit) supply chain, maintain relationship with Shenzhen Desay Battery Technology Co., Ltd.

Executive Assistant to the CEO

Wenzhou Mingda Real Estate Co, Ltd.

Wenzhou, China

12/2014 – 06/2015

- Participate in the construction planning of Wenzhou No.1 Underground City
- Help manage sales teams during the pre-sale period for Wenzhou No.1 Underground City
- Participate in business meeting the CEO attends, document meeting contents and write summary reports.

TV salesman

Home Appliances Square

Shehezi, China

10/2014 – 12/2014

- Sell Television
- Planning sales events

Network Operator (Internship)

China Telecommunications Corporation

Shihezi, China

07/2010 – 09/2010

- Operate and maintain CISCO core routers
- Operate and maintain HUAWEI switches
- Log operation errors and record bug reports
- Help external consultant in network trouble shooting
- Other work in the network operation center

SERVICE AND PROFESSIONAL MEMBERSHIPS

Member of IISE (2018-current)

Member of ASEM (2019-current)

Member of INFORMS (2020-current)