

# Jaeyoung Cho

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## EDUCATION

### UNIVERSITY OF HOUSTON

PHD IN INDUSTRIAL ENGINEERING  
Expected Dec 2015 | Houston, TX  
Cum. GPA: 3.81/4.00

### KOREA UNIVERSITY

ME IN INDUSTRIAL ENGINEERING  
Feb 2006 | Seoul, Korea

### TROY UNIVERSITY

MS IN INTERNATIONAL RELATIONS  
Feb 2013 | Troy, AL

### KOREA MILITARY ACADEMY

Feb 2000 | Seoul, Korea

## COURSEWORK

### GRADUATE(MAJOR)

Advanced Linear Programming  
Nonlinear Programming  
Integer Programming  
Operations Research  
Management Science and Its Applications  
Engineering Economics  
Supply Chain Management  
Product Development Engineering  
Advanced Topics in Information Systems

## SKILLS

### PROGRAMMING

Optimization S/W:  
GAMS • CPLEX • LINGO  
Familiar S/W:  
C++ • MS office series • MATLAB • R

### LANGUAGES

Korean (native), English (advance),  
Chinese (basic)

## EXPERIENCE

### UNIVERSITY OF HOUSTON | RESEARCH & TEACHING ASSISTANT

August 2013 – Present | Houston, TX  

- Developing Logistics Optimization Models and Risk Analysis Techniques
- Assisted a Lecture of Stochastic Processes (in Fall 2013)

### INFORMS UH STUDENT CHAPTER | PRESIDENT

January 2015 – Present | Houston, TX  

- Plan & Executed 1st INFORMS UH Conference (Apr 2015).

### REP. OF KOREA ARMY | MILITARY OFFICER (MAJOR, O-4)

Mar 2000 – Aug 2012 | Korea, Iraq, Lebanon  

- Special Staff Officer, United Nations Peacekeeping Mission in Lebanon (2010-2011).
- Operations Officer, Rep. of Korea & US Combined Forces Command HQ (2007-2010).
- Commander, Multinational Operations in Iraq (2006).
- Multiple Positions in Field Units (2000-2006).

## RESEARCH ACTIVITIES

### SYSTEM OPTIMIZATION AND COMPUTING LAB (SOCL) - UNIVERSITY OF HOUSTON | RESEARCH ASSISTANT

Aug 2013 – Present | Houston, TX  
Worked with **Dr. Gino J. Lim** and **Taofeek Biobaku** to develop **Logistics Optimization and Risk Analysis Methodologies**. (funded by Qatar National Research Fund)

## PUBLICATIONS

- Cho, J., J Lim, G., Biobaku, T., Bora, S., and Parsaei, H, "Liquefied Natural Gas Ship Route Planning Model Considering Market Trend," Transactions on Maritime Science, 3(02), 119- 130.
- Cho, J., J Lim, G., Biobaku, T., Bora, S., and Parsaei, H, "Planning for LNG Inventory Routing under Dust Storm," (submitted to European Journal of Operational Research).
- Biobaku, T., Cho, J., J Lim, G., Bora, S., and Parsaei, H, "Literature Survey on Underwater Threat Detection," Transactions on Maritime Science, 4(01), 14-22.
- Bora, S., J Lim, G., Biobaku, T., Cho, J., and Parsaei, H, "Node Criticality Index: Assessing the Supply Chain Resiliency of a Supply Chain Network Under Disruption," (submitted to Annals of Operations Research).

## CONFERENCE PROCEEDINGS

- Cho, J., J Lim, G., Biobaku, T., Bora, S., and Parsaei, "Safety and security management with Unmanned Aerial Vehicle (UAV) in Oil and Gas industry," In AHFE Conference 2015.
- Cho, J., J Lim, G., Biobaku, T., Bora, S., and Parsaei, "Use of Unmanned Aerial Vehicle (UAV) for Risk Monitoring in Oil and Gas industry," In ISERC Conference 2015