

LIANG QI

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Dept. of Health Service

Second Military Medical University

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Yangpu District

Shanghai 200433

China

Research Interests

Dynamic System Cognition

Dynamic System Modeling

Application of System Dynamics Method

Safety Culture & Safety Climate

Naval Health Service

Work Experience

Lecturer & Researcher

Department of Health Service, Second Military Medical University

AUG 2014 – Present, Shanghai, China

Admin Assistant

Department of Health, PLA Navy General Logistics Department

MAR 2015 – SEP 2015, Beijing, China

Visiting Scholar

Dynamic Decision Making Laboratory, Department of Social and Decision Sciences,

Dietrich College of Humanities & Social Sciences, Carnegie Mellon University

NOV 2013 – DEC 2014, Pittsburgh, PA, United States

Host professor: Cleotilde (Coty) González

Intern Assistant

Teaching and Medical Administration, Changzheng Hospital

DEC 2008 – JUN 2009, Shanghai, China

Education

Ph.D. in Social Medicine and Public Health Management

Department of Health Service, Second Military Medical University

AUG 2009 – JUN 2014, Shanghai, China

Advisors: Xiaorong Liu, Guoliang Chen

B.A. in Public Health Management

Department of Health Service, Second Military Medical University

AUG 2005 – JUN 2009, Shanghai, China

Teaching Experience

Judgment and Decision Making

System Dynamics

Military Health Service

Field First Aid

Health Service Equipment and Device

Professional Organizations

System Dynamics Society

Society for Judgment and Decision Making

Grants and Awards (as primary investigator)

Shanghai Academy of Science and Technology

Shanghai Pujiang Program (2015)

\$16,100 awarded

“People’s Understanding and Perception of Accumulation of Dynamic Systems”

Second Military Medical University

Innovation Fund for PhD Students (2012)

\$2,500 awarded

“Optimizing Modeling for Medical Evacuation for An Aircraft Carrier”

Second Military Medical University

Seeding Fund for Outstanding Master Students (2010)

\$1,700 awarded

“Medical Evacuation System for Casualties at Sea”

Ac hoc Reviewer for

International Conference of the System Dynamics Society

Publications - Paper

1. **Liang Qi**, Cleotilde Gonzalez. Mathematical knowledge is related to understanding stocks and flows: results from two nations. *System Dynamics Review*, 2015, 31(3): 97-181.
2. **Liang Qi**, Xiaorong Liu, Guoliang Chen. Research on safety culture of seafarers in Chinese shipping industry. *Modern Preventive Medicine*, 2014, 41(17): 3112-3114.
3. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Xiang He, Chenfang Fan, Kun Sha, Qiaoer Dong. Optimization of casualty medical evacuation in an aircraft carrier. *Health Service of PLA*, 2014, 16(1): 11-17.
4. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Ming Xiao, Chenfang Fan, Qiaoer Dong. Design of medical evacuation system for casualties in oceans. *Health Service of PLA*, 2013, 15(5): 251-254.
5. **Liang Qi**, Xiaorong Liu, Zhenquan Liu, Guoliang Chen, Lulu Zhang, Hongping Zhu, Wenbao Liu, Yuexian Deng. Optimization of medical evacuation for casualties in a hospital ship. *Medical Equipment Journal*, 2012, 33(1): 4-7.
6. **Liang Qi**, Zhenquan Liu, Xiaorong Liu, Guoliang Chen, Xiang He, Jian Liu, Wenbao Liu. Development of dynamic simulation in medical evacuation. *Chinese Health Quality Management*, 2012, 19(1): 82-84.
7. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Meng Wu. A system dynamics analysis for data resource utilization in translational medicine. *Translational Medicine & Medical Science Research Management*, 2012, 2(4): 156-161.
8. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Zhenquan Liu, Baohai Liu, Xiang He, Yuexian Deng. Research orientations and methods of safety culture. *Occupation and Health*, 2011, 27(24): 2921-2923.
9. Xiaorong Liu, Zhenquan Liu, Hongping Zhu, Guoliang Chen, Lulu Zhang, Jian Liu, Mingfang Huangfu, **Liang Qi**. Development and application of a high capacity medical information card. *Medical Equipment Journal*, 2011, 32(12): 1-2.
10. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Xiang He. Development of aeromedical evacuation and deployment of air forces for health service. *Occupation and Health*, 2010, 26(14): 1653-1655.
11. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Xiang He, Chenfang Fan, Yaping Zhou. Research of the orientation system for casualties at sea. *Chinese Health Quality Management*, 2010, 17(4): 87-90.
12. **Liang Qi**, Xiaorong Liu, Chenfang Fan, Guoliang Chen, Xiang He. The application of system dynamics in maritime medical evacuation. *Chinese Health Quality Management*, 2010, 17(4): 90-93.
13. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Xiang He, Chenfang Fan. Research of health policies for infectious diseases. *Chinese Primary Health Care*, 2010, 24(6): 5-7.

14. **Liang Qi**, Xiaorong Liu, Xiang He. Improvement conditions and status quo of the orientation systems for casualties at sea. *Reference Material of Military Medicine*, 2009, 17: 39-41.
15. Jing Zhou, **Liang Qi**, Qinyong Liu. Strategic teaching planning for students majoring in public health management. *Hospital Administration Journal of PLA*, 2009, 16(4): 317-318.
16. **Liang Qi**, Xiaorong Liu, Guoliang Chen, Xiaoli Xu, Guoliang Chen, Xingbo Jiang, Hwei Tang. Optimization of medical evacuation and treatment capabilities under different casualty-flows. *Military Medical Journal of Southeast China*, 2008, 10(6): 464-467.
17. **Liang Qi**, Xiaorong Liu, Guoliang Chen. Status quo of tourniquet application and its history of development. *Reference Material of Military Medicine*, 2008, 16: 44-46.
18. Xiaorong Liu, Guoliang Chen, **Liang Qi**, Xu Wang, Yuan Wang. Chinese Health Human Resource Integration and utilization based on dynamic alliance theory. *Nursing Research*, 2008, 22(1B): 96-97.
19. Xiaorong Liu, Guoliang Chen, Xiang He, **Liang Qi**, Renping Gu, Xu Wang, Yeqing Lin. Design of optimization model of marine medical evacuation and treatment capabilities. *Nursing Journal of PLA*, 2008, 25(9): 70-71.
20. **Liang Qi**, Xiaorong Liu, Guoliang Chen. Development and application of tourniquet in battlefields. *4th Chinese Academic Conference of Disaster Medicine*, 2007, Shanghai, China.
21. Guoliang Chen, Xiaorong Liu, Chenfang Fan, **Liang Qi**, Jian Liu, Yaping Zhou. Lessons learned from Israel casualties' treatment in 1982 Lebanon war. *People's Military Surgeon*, 2007, 50(12): 726-727.
22. Xiaorong Liu, Guoliang Chen, Chenfang Fan, **Liang Qi**, Xiuqiang Ma, Lunlun Huang. Analysis and report of health service in city-attacking battles in 1982 Lebanon war. *People's Military Surgeon*, 2007, 50(11): 656-657.
23. Xiaorong Liu, Wenting Jiang, Jun Ke, Lei Li, Yuan Wang, Quan Lei, **Liang Qi**. Transportation of dangerous goods and emergency medical rescue. *4th Chinese Academic Conference of Disaster Medicine*, 2007, Shanghai, China.

Publications - Book

1. [Translation] Icons and Idiots: Straight Talk on Leadership. ISBN: 9787512359239. Beijing: China Power Press, 2014.
2. Emergencies are coming, are you ready? Learn the State Emergency Plan. ISBN: 9787030236678. Beijing: Science Press, 2009.
3. Disaster Medical Rescue Manual. ISBN: 9787532389001. Shanghai: Shanghai Scientific & Technical Press, 2007.