

양지현 (Ji Hyun Yang), Ph.D.

Assistant Professor

Department of Automotive Engineering, Kookmin University
77 Jeongneung-ro Engineering Hall #536, Seongbuk-gu, Seoul 136-702, KOREA
(Office) +82-2-910-5742 (Mobile) +82-10-2755-4108

국민대학교 자동차공학과 조교수

136-702 서울특별시 성북구 정릉로 77 공학관 536 호

(연구실) 02-910-5742 (모바일) 010-2755-4108

E-mail: yangjh@kookmin.ac.kr; jihyun.yang1@gmail.com

Web: huva.kookmin.ac.kr

RESEARCH INTERESTS

- **Human-vehicle interaction**, operator cognition modeling in manned/unmanned systems, visual perception and human uncertainty modeling in transportation/military systems
- **Active safety** for ground and aerial transportation systems, fatigue detection and analysis

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Ph.D., Department of Aeronautics and Astronautics September 2007

Major area: **Humans and Automation**, Chair: Professor Eric Feron

Thesis: *Analysis and Detection of Driver Fatigue Caused by Sleep Deprivation*

S.M., Department of Aeronautics and Astronautics September 2003

Thesis: *Development of a Performance-based Approach for Collision Avoidance and Mitigation*

Seoul National University, Seoul, Korea

B.S., Department of Mechanical and Aerospace Engineering, *summa cum laude* February 2001

PROFESSIONAL EXPERIENCE

Kookmin University, Seoul, Korea

Assistant Professor March 2013 – present

- Department of Automotive Engineering

Naval Postgraduate School, Monterey, CA

Research Associate Professor August 2011 – February 2013

- MOVES (Modeling Virtual Environment and Simulation) Institute

National Research Council Fellow & Research Scientist Principal April 2008 – August 2011

- MOVES Institute & Human Systems Integration Laboratory, Operations Research Department

Massachusetts Institute of Technology, Cambridge, MA

Graduate Research Assistant September 2001 – August 2007

- Department of Aeronautics and Astronautics & Laboratory of Information and Decision Systems

- Ford-MIT alliance program

- Internships at Ford Motor Company on July 2005 – August 2006, July 2004, July 2003, January 2002