

MYEONGKYU LEE

website: <https://myeongkyulee.github.io/mklee/>

email: myeongkyu@kookmin.ac.kr

EDUCATION

Kookmin University

2021 - Present

- Master Candidate of Automotive and IT convergence
- Advisor: Ji Hyun Yang

GPA: 4.00/4.00

Kookmin University

2015 - 2021

- Bachelor of Automotive Engineering
- Cumulative rank: **1st** out of 166

GPA: 3.98/4.00

RESEARCH INTEREST

- **Human-Vehicle Interaction**
- **Vehicle Ergonomics**
- **Vehicle/Driver Safety**
- **Autonomous Driving**

RESEARCH EXPERIENCE (SELECTED)

Artificial Intelligence adaptation on the steering wheel (on going)

Seoul, S.Korea

Sponsored by Hyundai Motors Group

Sep 2021-August 2022

Main role: Researcher (Student Representative)

Development of take-over verification process (on going)

Seoul, S.Korea

Sponsored by Hyundai Motors Group

May 2021-May 2022

- Main role: Researcher

Study of vehicle/physiological data characteristics according to state

Seoul, S.Korea

Sponsored by Hyundai Motors Group

Mar 2021-Nov 2021

- Main role: Researcher

Study of vehicle/physiological data characteristics according to emotion

Seoul, S.Korea

Sponsored by Hyundai Motors Group

Mar 2020-Nov 2020

- Main role: Researcher

Study of drivers' behavior characteristics under danger situation

Seoul, S.Korea

Sponsored by National Forensic Service

Mar 2020-Dec 2020

- Main role: Researcher

Undetectable Communications for Drone Applications

CA, USA

Researcher at UC Irvine, USA

Dec 2019-Feb 2020

Group led by Prof. Marco Leverato and by Anas Alsoliman (Ph.D student)

- Main role: Research assistance

PUBLICATION AND PRESENTATION

1. Publication

- **M. Lee**, S. Lee, S. Hwang, S. Lim and J. Yang*, "Effect of emotion on galvanic skin response and vehicle control data during simulated driving", under review, Transportation Research Part F: Traffic Psychology and Behaviour. SSCI.
- **M. Lee**, S. Kim, J. Kim and J. Yang*, "Simulator Study on the Response Time and Defensive Behavior of Drivers in a Cut-in Situation", accepted, International Journal of Automotive Technology. SCIE.

2. Presentation

- **M. Lee**, H. Shim, S. Kim, J. Choi, J. Yang*, "Study of driver's response time in cut-in situation with driving simulator", Proceedings of 2021 Spring Conference of ESK, Seoul, 17-18, June, 2021.

SKILLS

Programming skills:

MATLAB/SIMULINK, Python, HTML, CSS, Javascript, C, C++, LaTeX, SCANer Studio Carmaker, Prescan

Languages:

Korean(native), English(fluent)

ACADEMIC ACHIEVEMENTS

1. Graduated **1st** in my college from Automotive Convergence college in Kookmin University, 2021.
2. **Gold Award** - 2021 BK program poster awards, 2022.

MISCELLANEOUS

- GRE: V(155), Q(169)
- TOEFL: 101