

Hyeongmin Lee

Ph.D. Candidate, [iMage and Video Pattern recognition lab\(MVP\)](#)

Yonsei University, Seoul, Korea

CONTACT

Tel +82-2-2123-7843
E-mail minimonia@yonsei.ac.kr
Web hyeongminlee.github.io

INTERESTS

Computer Vision Image Processing, Hand Gesture Recognition, Image Generation
Video Analysis, Video Understanding

Machine Learning Deep Learning, Convolutional Neural Networks, Recurrent Neural Networks
Generative Adversarial Networks, Reinforcement Learning,
Natural Language Processing

Mathematics Linear Algebra, Topology

EDUCATION

Mar.2018 – Present **PH.D.** Candidate in **Electrical and Electronic Engineering**
YONSEI UNIVERSITY, Seoul, Korea

Mar.2014 – Feb.2018 **B.S.** in **Electrical and Electronic Engineering**
YONSEI UNIVERSITY, Seoul, Korea
GPA: 3.96/4.3

PUBLICATION

- International Journal
1. Eungyeol Song, **Hyeongmin Lee**, Jaesung Choi and Sangyoun Lee, "AHD: Thermal-Image Based Adaptive Hand Detection for Enhanced Tracking System," in *IEEE Access*, vol. 6, pp. 12156-12166, 2018.
- Domestic Conference
1. **Hyeongmin Lee**, Hanbyeol Bae, Taejae Joen, Jinkyung Do, Sangyoun Lee (2017.6). Corner Detection with Improved Hough Transform by Line Pruning

Filter for Augmented Reality. 『Proceedings of Symposium of the Korean Institute of communications and Information Sciences』, 1610-1611.

2. Jaesung Choi, **Hyungmin Lee**, Sangyoun Lee. "Deep learning-based Hand Gesture Recognition Algorithm using Multi-modality Information." *Conference of the Institute of Electronics Engineers of Korea*, (2017.11): 672-673.
1. **Hyeongmin Lee**, Sangyoun Lee. "Target Region Detection Using Line Pruning Filter-Based Hough Transform for Augmented Reality". *Journal of The Institute of Electronics and Information Engineers*, 54.10 (2017.10): 1473-1481.

Domestic Journal

PROJECTS

Jul.2016 - Present

YONSEI UNIVERSITY, Dept. of Electrical and Electronic Engineering
(Research Intern)

- **Facial Expression Recognition Using Deep Neural Network**
 - Nov.2016 – Jun.2017
 - Developed real time Facial Emotion Recognizer using CNN

EXPERIENCES

Sep.2015 - Present

Electrical and Electronic Honor Society (EEHS)

- Organization under Yonsei University
- Chairman(Jul.2016 – Jun.2017)

Nov.2016 - Present

Young Engineers' Honor Society (YEHS)

- Organization under The National Academy of Engineering of Korea(NAEK)
- Deputy Department Head of Academic Exchange Dpt.(Dec.2017 -)

SKILL

Programming Languages

Visual C/C++, Python, Matlab

Libraries

OpenCV, Tensorflow

Application Languages

HTML, CSS, Javascript