

Hyeongmin Lee

Integrated M.S/Ph.D. Course, [iMage and Video Pattern recognition lab\(MVP\)](#)

Yonsei University, Seoul, Korea

CONTACT

Tel	+82-2-2123-7843
E-mail	minimonia@yonsei.ac.kr
Web	https://hyeongminlee.github.io
Github	https://github.com/HyeongminLEE
Slide Share	https://www.slideshare.net/HyeongminLee3

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	INTEGRATED M.S./PH.D. Course in Electrical and Electronic Engineering YONSEI UNIVERSITY , Seoul, Korea Supervised by Prof. Sangyoun Lee
Mar.2014 – Feb.2018	B.S. in Electrical and Electronic Engineering YONSEI UNIVERSITY , Seoul, Korea Graduated Cum Laude GPA: 3.96/4.3

PUBLICATION

International Journal

AHD: Thermal-Image Based Adaptive Hand Detection for Enhanced Tracking System

Eungyeol Song, **Hyeongmin Lee**, Jaesung Choi, Sangyoun Lee
IEEE Access, Mar. 2018

International Conference

CollaboNet: Collaboration of Generative Models by Unsupervised Classification **Hyeongmin Lee**, Taeoh Kim, Eungyeol Song, Sangyoun Lee

IEEE International Conference on Image Processing (ICIP 2018), Oct. 2018

Domestic Journal

Target Region Detection Using Line Pruning Filter-Based Hough Transform for Augmented Reality

Hyeongmin Lee, Sangyoun Lee
Journal of The Institute of Electronics and Information Engineers, Oct. 2017

Domestic Conference

Corner Detection with Improved Hough Transform by Line Pruning Filter for Augmented Reality

Hyeongmin Lee, Hanbyeol Bae, Taejae Joen, Jinkyung Do, Sangyoun Lee
Proceedings of Symposium of the Korean Institute of communications and Information Sciences, Jun.2017

Deep learning-based Hand Gesture Recognition Algorithm using Multi-modality Information

Jaesung Choi, **Hyeongmin Lee**, Sangyoun Lee
Conference of the Institute of Electronics Engineers of Korea, Nov.2017

PROJECTS

Apr.2018 – Present

Development of Compact Deep Networks for Image Processing
SAMSUNG ELECTRONICS CO. LTD.

Apr.2017 – Dec.2017

Broadcasting Device Controlling & Editing Technology using Personal Voice / Gesture Recognition
INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTRY OF SCIENCE

Jul.2016 – Jun.2017

Facial Expression Recognition Using Deep Neural Network
Graduation Research at Electrical and Electronic Engineering, Yonsei University

EXPERIENCES

Mar.2018 – Present

Teaching Assistance – Electrical and Electronic Engineering, Yonsei University
- [2018-1] Digital Signal Processing

Mar.2018 – Present

Creator & Manager of MVP Website
- [Official Website of MVP Lab](#)

Sep.2015 – Feb.2018

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
Libraries
Available Languages

Visual C/C++, Python, Matlab, HTML, CSS, Javascript
OpenCV, Tensorflow
Korean, English

Last Updated: Jul.9, 2018