

# Hyeongmin Lee

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

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## CONTACT

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Slide Share	<a href="https://www.slideshare.net/HyeongminLee3/presentations">https://www.slideshare.net/HyeongminLee3/presentations</a>

## INTERESTS

Computer Vision	Video Generation, Video Understanding, Video Processing, Video Frame Interpolation, Future Frame Prediction, Motion Estimation
Machine Learning	Deep Neural Networks, Generative Models, Reinforcement Learning, Self-Supervised Learning, Bayesian Neural Networks, Parallel Processing

## EDUCATION

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

## PUBLICATION

International Journal	<b>AHD: Thermal-Image Based Adaptive Hand Detection for Enhanced Tracking System</b> Eungyeol Song, <b>Hyeongmin Lee</b> , Jaesung Choi, Sangyoun Lee <i>IEEE Access</i> , Mar. 2018
International Conference	<b>CollaboNet: Collaboration of Generative Models by Unsupervised Classification</b> <b>Hyeongmin Lee</b> , Taeoh Kim, Eungyeol Song, Sangyoun Lee <i>IEEE International Conference on Image Processing (ICIP 2018)</i> , Oct. 2018
Domestic Publications	Journal: 1 paper, Conference: 3 papers (in Korean)

## PROJECTS

Jun.2018 – Present	<b>Research and Human Resource Development for Intelligent Digital Contents Platform based on Ultra-high Speed Imagery</b> INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTRY OF SCIENCE
Apr.2018 – Present	<b>Development of Compact Deep Networks for Image Processing</b> SAMSUNG ELECTRONICS CO. LTD.
Apr.2017 – Dec.2017	<b>Broadcasting Device Controlling &amp; Editing Technology using Personal Voice / Gesture Recognition</b> INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTRY OF SCIENCE
Jul.2016 – Jun.2017	<b>Facial Expression Recognition Using Deep Neural Network</b> Graduation Research at Electrical and Electronic Engineering, Yonsei University

## EXPERIENCES

Mar.2018 – Present	<b>Teaching Assistance</b> – Electrical and Electronic Engineering, Yonsei University <ul style="list-style-type: none"><li>- [2018-1] Digital Signal Processing</li><li>- [2018-2] Signal and System</li></ul>
Mar.2018 – Present	<b>Creator &amp; Manager of MVP Website</b> <ul style="list-style-type: none"><li>- <a href="#">Official Website of MVP Lab</a></li></ul>

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 – Dec.2018)
- Department Head of Academic Exchange Dpt. (Dec.2018 - )

## **S K I L L**

Programming Languages

Python, CUDA, Visual C/C++, Matlab

Deep Learning Libraries

Pytorch, Tensorflow

Available Languages

Korean, English

*Last Updated: MAR.03, 2019*