

Hyeongmin Lee

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

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CONTACT

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Github	https://github.com/HyeongminLEE
Slide Share	https://www.slideshare.net/HyeongminLee3/presentations
Youtube	https://www.youtube.com/channel/UCz14hRj69FfGsl7ftF0D3ig

INTERESTS

Computer Vision	Video Processing, Video Frame Interpolation, Image/Video Restoration Motion Estimation/Compensation, 3d Vision, Image/Video Super-Resolution Video Deblurring, Video Understanding, Video Object Segmentation
Machine Learning	Deep Learning, Generative Models, Self-Supervised Learning, Bayesian Deep Learning, Parallel Processing

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

Extrapolative-Interpolative Cycle-Consistency Learning for Video Frame Extrapolation

Sangjin Lee, **Hyeongmin Lee**, Taeoh Kim, Sangyoun Lee

IEEE International Conference on Image Processing (ICIP 2020), Oct. 2020

AdaCoF: Adaptive Collaboration of Flows for Video Frame Interpolation

Hyeongmin Lee, Taeoh Kim, Tae-young Chung, Daehyun Pak, Yuseok Ban, Sangyoun Lee

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2020), Jun. 2020

SF-CNN : A Fast Compression Artifacts Removal via Spatial-to-Frequency Convolutional Neural Networks

Taeoh Kim, **Hyeongmin Lee**, Hanbin Son, Sangyoun Lee

IEEE International Conference on Image Processing (ICIP 2019), Sep. 2019

N-RPN : Hard Example Learning for Region Proposal Networks

MyeongAh Cho, Tae-young Chung, **Hyeongmin Lee**, Sangyoun Lee

IEEE International Conference on Image Processing (ICIP 2019), Sep. 2019

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 Publications

Journal: 1 paper, Conference: 3 papers (in Korean)

PROJECTS

May.2020 – Dec.2020

Development of Data Augmentation-based AI Algorithm for Image Enhancement
SAMSUNG ELECTRONICS CO. LTD.

May.2019 – Dec.2019

Locally Controllable Deep Neural Network Algorithm Development
SAMSUNG ELECTRONICS CO. LTD.

Apr.2018 – Dec.2018

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

Oct.2019 – Present

Member of PR12

- Deep Learning paper reading group in Tensorflow Korea
- [Season 3](#) (Oct.2019 -)

Mar.2018 – Present

Creator & Manager of MVP Website

- [Official Website of MVP Lab](#)

Mar.2018 – Dec.2018

Teaching Assistant – Electrical and Electronic Engineering, Yonsei University

- [2018-1] Digital Signal Processing
- [2018-2] Signal and System

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 – Dec.2019)
- President (Dec.2019 –)

Sep.2015 – Feb.2018

Electrical and Electronic Honor Society (EEHS)

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

SKILL

Programming Languages
Deep Learning Libraries
Available Languages

Python, CUDA, Visual C/C++, Matlab
Pytorch, Tensorflow
Korean, English

Last Updated: May.18, 2020