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/presentations
Youtube	https://www.youtube.com/channel/UCz14hRj69FfGsl7ftF0D3ig

INTERESTS

Computer Vision	Video Generation, Video Understanding, Video Processing, Video Frame Interpolation, Future Frame Prediction, Image/Video Restoration
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

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.2019 – Present

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

Jun.2018 – Present

Research and Human Resource Development for Intelligent Digital Contents Platform based on Ultra-high Speed Imagery
INSTITUTE FOR INFORMATION & COMMUNICATIONS TECHNOLOGY PROMOTION (IITP), MINISTY OF SCIENCE

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), MINISTY 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

Teaching Assistant – Electrical and Electronic Engineering, Yonsei University

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

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
- President (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 – Dec.2019)
- President (Dec.2019 –)

SKILL

Programming Languages	Python, CUDA, Visual C/C++, Matlab
Deep Learning Libraries	Pytorch, Tensorflow
Available Languages	Korean, English

Last Updated: Feb.25, 2020