Hyeongmin Lee

Ph.D. Candidate, iMage and Video Pattern recognition lab(MVP)

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CONTACT

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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. PP, no. 99, pp. 1-1.

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.

Domestic Journal

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.

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
Libraries
Application Languages

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

Last Updated: Mar.4, 2018