Youngjo Lee

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Interests

Computer Vision, video object segmentation, image-to-image translation

Education

Yonsei University (Advisor: Prof. Euntai Kim) *Seoul, Korea*
PH.D. IN ELECTRICAL & ELECTRONIC ENGINEERING *Sep. 2019 - Present*

Yonsei University *Seoul, Korea*
B.S. IN ELECTRICAL & ELECTRONIC ENGINEERING *Mar. 2013 - Aug. 2019*

Experience

Yonsei University *Seoul, Korea*
RESEARCH ASSISTANT @ CILAB *Sep. 2019 - Present*
Participation in several research projects

Yonsei University *Seoul, Korea*
TEACHING ASSISTANT *Mar. 2020 - Jun. 2021*
- Artificial Intelligence 101
- Introduction Artificial Intelligence
- Intelligent Control

Publications

CONFERENCE

Iteratively Selecting an Easy Reference Frame Makes Unsupervised Video Object Segmentation Easier
Youngjo Lee, Hongje Seong, and Euntai Kim
AAAI Conference on Artificial Intelligence (AAAI), February, 2022.

Improving Nighttime Object Detection by Generating Synthetic Nighttime Dataset from Daytime Dataset
Youngjo Lee, Suhyeon Lee, Hongje Seong, and Euntai Kim
International Conference on Control, Automation and Systems (ICCAS), October, 2021.

Awards

2021   **Best Poster Paper Award**, ICCAS 2021 *Jeju, Korea*

Patents

Apparatus for predicting traffic line of box-level multiple object using only position information of box-level multiple object
Euntai Kim, Youngjo Lee, Hongje Seong and Junhyuk Hyun
Korea - Application No. 10-2020-0149533

Apparatus for predicting movement of box-level object using only position information of box-level object
Euntai Kim, Youngjo Lee, Hongje Seong and Junhyuk Hyun
Korea - Application No. 10-2020-0149532

Pixel Level Video Object Tracking Apparatus Using Box Level Object Position Information
Euntai Kim, Hongje Seong, Youngjo Lee and Junhyuk Hyun
Korea - Application No. 10-2020-0030214
International (PCT) - Application No. PCT/KR2020/005383

Projects

Development of Driving Environment Data Transformation and Data Verification Technology for the Mutual Utilization of Self-driving Learning Data for Different Vehicles

Institute of Information & Communications Technology Planning & Evaluation (IITP)   *Apr. 2021 - Present*

Research on Fundamental Technology for Deep Learning-Based Semantic State Understanding

National Research Foundation of Korea (NRF)   *Sep. 2019 - Dec.2020*

Languages & Skills

LANGUAGES

Korean, English

SKILLS

Python, Pytorch, C, C++, Matlab