

# DONGHYEON BAEK

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## Education

- MAR. 2020 - PRESENT    **Ph.D.** in School of Electrical & Electronic Engineering    *Yonsei University, Seoul, Korea*
- Advisor: Prof. Bumsub Ham
- MAR. 2014 - FEB. 2020    **B.S.** in School of Electrical & Electronic Engineering    *Yonsei University, Seoul, Korea*
- GPA: 4.18/4.50
  - Awarded High Honors at Graduation

## Experience

- MAR. 2020 - JUN. 2022    **Yonsei University**    *Seoul, Korea*
- Teaching Assistant*
- Deep Learning Lab. in EE, Spring, 2022
  - Signal Processing Lab. in EE, Spring, 2020
  - Data Structure in EE, Fall, 2020
  - Data Structure in EE, Spring, 2020

## Publications

### CONFERENCES

#### ACLS: Adaptive and Conditional Label Smoothing for Network Calibration

Hyekang Park, Jongyoun Noh, Youngmin Oh, Donghyeon Baek, Bumsub Ham  
in Proc. IEEE Int. Conf. Comput. Vis. (**ICCV**), Oct. 2023 (Oral Presentation)

#### Decomposed Knowledge Distillation for Class-Incremental Semantic Segmentation

Donghyeon Baek, Youngmin Oh, Sanghoon Lee, Junghyup Lee, Bumsub Ham  
in Adv. Neural Inf. Process. Syst. (**NerulPS**), Dec. 2022

#### ALIFE: Adaptive Logit Regularizer and Feature Replay for Incremental Semantic Segmentation

Youngmin Oh, Donghyeon Baek, Bumsub Ham  
in Adv. Neural Inf. Process. Syst. (**NerulPS**), Dec. 2022

#### OIMNet++: Prototypical Normalization and Localization-aware Learning for Person Search

Sanghoon Lee, Youngmin Oh, Donghyeon Baek, Junghyup Lee, Bumsub Ham  
in Eur. Conf. Comput. Vis. (**ECCV**), Oct. 2022.

#### Exploiting a Joint Embedding Space for Generalized Zero-Shot Semantic Segmentation

Donghyeon Baek\*, Youngmin Oh\*, Bumsub Ham (\*: equal contribution)  
in Proc. IEEE Int. Conf. Comput. Vis. (**ICCV**), Oct. 2021

## Projects

#### Development of Fundamental Technology and Integrated Solution for Next-Generation Automatic Artificial Intelligence System

Institute for Information & Communications Technology Promotion (IITP)  
Apr. 2022 - Present

#### FlexNet: Overcoming Limitations of Deep Learning for Flexible Semantic Image Segmentation

National Research Foundation of Korea (NRF)  
Mar. 2020 - Feb. 2022