## Suyoung Lee


**Contact Information**

Korea Advanced Institute of Science and Technology (KAIST), School of Electrical Engineering.
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**Research Interests**

Deep reinforcement learning, especially meta-reinforcement learning and generalization.

**Education**

**Ph.D. Candidate**, Electrical Engineering *Aug. 2022 to Feb. 2024 (expected)*
Korea Advanced Institute of Science and Technology (KAIST).
Advisor: Prof. Youngchul Sung.

**Ph.D. Candidate**, Electrical Engineering *Mar. 2019 to Aug. 2022*
Korea Advanced Institute of Science and Technology (KAIST).
Advisor: Prof. Sae-Young Chung.

**M.S.**, Electrical Engineering *Mar. 2017 to Feb. 2019*
Korea Advanced Institute of Science and Technology (KAIST).
Advisor: Prof. Sae-Young Chung.

**B.S.**, Electrical Engineering *Feb. 2012 to Feb. 2017*
Korea Advanced Institute of Science and Technology (KAIST).

**Hansung Science High School**, Seoul, Republic of Korea. *Feb. 2012*

**Honors**

Qualcomm-KAIST Innovation Awards. *2018*
Paper competition awards for graduate students, Qualcomm.

Un Chong-Kwan Scholarship Award. *2017*
For achievement of excellence in 2017 entrance examination, KAIST EE.

**Publications**

[C1] **Suyoung Lee**, Sungik Choi, and Sae-Young Chung. "*Sample-Efficient Deep Reinforcement Learning via Episodic Backward Update*." Neural Information Processing Systems (NeurIPS) 2019.

[C2] **Suyoung Lee** and Sae-Young Chung. "*Improving Generalization in Meta-RL with Imaginary Tasks from Latent Dynamics Mixture*." Neural Information Processing Systems (NeurIPS) 2021.

[C3] **Suyoung Lee**, Myungsik Cho, and Youngchul Sung. "*Parameterizing Non-Parametric Meta-Reinforcement Learning Tasks via Subtask Decomposition*." Neural Information Processing Systems (NeurIPS) 2023.

[W1] **Suyoung Lee** and Sae-Young Chung. "*Adaptive Intrinsic Motivation with Decision Awareness*." Decision Awareness in Reinforcement Learning Workshop at International Conference on Machine Learning (ICML) 2022.

**Languages**

Korean (native)
English (fluent) – TOEIC 950 (23.06.28)
Russian (very basic)
International linguistic experience at Tashkent International School, 2007–2009.

**Programming Languages**

MATLAB and Python (PyTorch/TensorFlow).
GitHub: https://github.com/suyoung-lee

## Academic Services

Conference reviewer: ICML (2021–2023) and NeurIPS (2021–2023).

## Teaching Experience

Teaching assistant (KAIST) *Spring 2018 to Fall 2020*

- EE326 Introduction to Information Theory and Coding.
- EE210 Probability and Introductory Random Processes.
- EE105 Electrical Engineering: Changing the World.
- EE405 Electronics Design Lab. Network of Smart Things.
- EE807 Special Topics in EE. Deep Reinforcement Learning and AlphaGo.
- EE405 Electronics Design Lab. Network of Smart Systems.