

Suyoung Lee

CONTACT INFORMATION	Korea Advanced Institute of Science and Technology (KAIST), School of Electrical Engineering. N1-619, 291 Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea	Email: suyoung.l@kaist.ac.kr Homepage: https://suyoung-lee.github.io
RESEARCH INTERESTS	Deep reinforcement learning, especially meta-reinforcement learning and generalization.	
EDUCATION	<p>Ph.D. Candidate, Electrical Engineering <i>Aug. 2022 to Feb. 2024 (expected)</i> Korea Advanced Institute of Science and Technology (KAIST). Advisor: Prof. Youngchul Sung.</p> <p>Ph.D. Candidate, Electrical Engineering <i>Mar. 2019 to Aug. 2022</i> Korea Advanced Institute of Science and Technology (KAIST). Advisor: Prof. Sae-Young Chung.</p> <p>M.S., Electrical Engineering <i>Mar. 2017 to Feb. 2019</i> Korea Advanced Institute of Science and Technology (KAIST). Advisor: Prof. Sae-Young Chung.</p> <p>B.S., Electrical Engineering <i>Feb. 2012 to Feb. 2017</i> Korea Advanced Institute of Science and Technology (KAIST). Hansung Science High School, Seoul, Republic of Korea. <i>Feb. 2012</i></p>	
HONORS	<p>Qualcomm-KAIST Innovation Awards. <i>2018</i> Paper competition awards for graduate students, Qualcomm.</p> <p>Un Chong-Kwan Scholarship Award. <i>2017</i> For achievement of excellence in 2017 entrance examination, KAIST EE.</p>	
PUBLICATIONS	<p>[C] Conference [W] Workshop [P] Preprint</p> <p>[C1] Suyoung Lee, Sungik Choi, and Sae-Young Chung. “<i>Sample-Efficient Deep Reinforcement Learning via Episodic Backward Update.</i>” Neural Information Processing Systems (NeurIPS) 2019.</p> <p>[C2] Suyoung Lee and Sae-Young Chung. “<i>Improving Generalization in Meta-RL with Imaginary Tasks from Latent Dynamics Mixture.</i>” Neural Information Processing Systems (NeurIPS) 2021.</p> <p>[C3] Suyoung Lee, Myungsik Cho, and Youngchul Sung. “<i>Parameterizing Non-Parametric Meta-Reinforcement Learning Tasks via Subtask Decomposition.</i>” Neural Information Processing Systems (NeurIPS) 2023.</p> <p>[C4] Jeonghye Kim, Suyoung Lee, Woojun Kim, and Youngchul Sung “<i>Decision ConvFormer: Local Filtering in Metaformer is Sufficient for Decision Making.</i>” International Conference on Learning Representations (ICLR) 2024 as Spotlight presentation (366/7262= 5.0%).</p> <p>[W1] Suyoung Lee and Sae-Young Chung. “<i>Adaptive Intrinsic Motivation with Decision Awareness.</i>” Decision Awareness in Reinforcement Learning Workshop at International Conference on Machine Learning (ICML) 2022.</p> <p>[W2] Jeonghye Kim, Suyoung Lee, Woojun Kim, and Youngchul Sung. “<i>Decision ConvFormer: Local Filtering in MetaFormer is Sufficient for Decision Making.</i>”</p>	

Foundation Models for Decision Making Workshop at Neural Information Processing Systems (NeurIPS) 2023.

LANGUAGES	Korean (native) English (fluent) – TOEIC 950 (23.06.28) Russian (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 <ul style="list-style-type: none">• International Conference on Machine Learning (ICML): 2021–2023• Neural Information Processing Systems (NeurIPS): 2021–2023• International Conference on Learning Representations (ICLR): 2024 Program committee <ul style="list-style-type: none">• Foundation Models for Decision Making Workshop (FMDM) at Neural Information Processing Systems (NeurIPS) 2023.
TEACHING EXPERIENCE	Teaching assistant (KAIST) <i>Spring 2018 to Fall 2020</i> <ul style="list-style-type: none">• 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.<ul style="list-style-type: none">– Course rewarded for the outstanding TA award at KAIST EE.• EE405 Electronics Design Lab. Network of Smart Systems.