HWANHEE LEE - 이환희

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EDUCATION

Ph.D., Electrical and Computer Engineering, Seoul National University, 2017.03 - 2023.02 (Expected)
- Machine Intelligence Laboratory (Advisior: Kyomin Jung)

B.S., Electrical and Computer Engineering, Seoul National University, 2013.03 - 2017.02

RESEARCH INTERESTS

My research interest is in the field of Natural Language Processing, especially about the following items.

- Question Answering
- Grounded Text Generation
- Text Evaluation
- Language Grounding with Vision

PUBLICATION

Taegwan Kang, **Hwanhee Lee**, Byeongjin Choe and Kyomin Jung, Entangled Bidirectional Encoder to Autoregressive Decoder for Sequential Recommendation, SIGIR 2021 (Short)

Hwanhee Lee, Seunghyun Yoon, Franck Dernoncourt, Doo Soon Kim, Trung Bui, Joongbo Shin and Kyomin Jung, KPQA: A Metric for Generative Question Answering Using Keyphrase Weights, NAACL 2021 (Long)

Jaewoong Lee*, Heejoon Lee*, **Hwanhee Lee**, Kyomin Jung, Learning to Select Question-Relevant Relations for Visual Question Answering, NAACL 2021 Workshop on Multimodal Artificial Intelligence (MAI)

Hyunkyung Bae, Minwoo Lee, Ahhyeon Kim, **Hwanhee Lee**, Cheongjae Lee, Cheoneum Park, Donghyeon Kim, Kyomin Jung, Relevance Similarity Scorer and Entity Guided Reranking for Knowledge Grounded Dialog System, AAAI 2021 Workshop on Dialog System Technology Challenge (DSTC)

Hwanhee Lee, Seunghyun Yoon, Franck Dernoncourt, Doo Soon Kim, Trung Bui, Kyomin Jung, ViL-BERTScore: Evaluating Image Caption Using Vision-and-Language BERT, EMNLP 2020 Workshop on Evaluation and Comparison of NLP Systems (Eval4NLP)

Seunghyun Yoon, Subhadeep Dey, **Hwanhee Lee** and Kyomin Jung, Attentive Modality Hopping Mechanism for Speech Emotion Recognition - (Oral), ICASSP 2020

Hwanhee Lee, Seunghyun Yoon, Franck Dernoncourt, Doo Soon Kim, Trung Bui and Kyomin Jung, DSTC8-AVSD: Multimodal Semantic Transformer Network with Retrieval StyleWord Generator, AAAI 2020 Workshop on Dialog System Technology Challenge (DSTC)

Hwanhee Lee and Kyomin Jung, Insensibility of Question Word Order in Visual Question Answering, NAACL 2019 Workshop on Shortcomings in Vision and Langauge (SiVL)

Yanghoon Kim, **Hwanhee Lee**, Joongbo Shin, Kyomin Jung, Improving Neural Question Generation using Answer Separation, AAAI 2019

Yanghoon Kim, **Hwanhee Lee**, Kyomin Jung, AttnConvnet at SemEval-2018-Task 1: Attention-based Convolutional Neural Networks for Multi-label Emotion Classification, NAACL 2018 Workshop on Semantic Evaluation(SemEval)

PROJECTS

- Factual Error Correction on Grounded Text Generation Systems, SNU - *joint work with Adobe Research*, 2021.02 - Current
- Knowledge-Grounded Conversational Question Answering System, SNU - *joint work with Hyundai AIRLab*, 2020.09 - 2021.09
  - Led to publication on DSTC9
- Evaluation Metric for Grounded Text Generation Systems, SNU - *joint work with Adobe Research*, 2019.12 - 2021.01
  - Led to publication on NAACL, Eval4NLP
- Deep Learning Based Context-awareness Dialog System, SNU - *joint work with Samsung Advanced Institute of Technology*, 2019.05 - 2020.05
  - Led to publication on DSTC8
- Global Internet Big Text Data Monitoring(part of Open Domain Question Answering System), SNU, 2019.01 - 2020.06
- Deep Learning Based Recommendation System, SNU - *joint work with Laontrip*, 2017.03 - 2017.12
- Deep Learning Based Fraud Detection System, SNU - *joint work with KCB*, 2017.03 - 2017.09

SCHOLARSHIPS AND AWARDS

- Scholarship from Foundation for Electronics, Electrical and Computer Engineering, *Granted by SNU ECE*, 2018 Spring
- National Science & Technology Scholarship, *Granted by Korea Student Aid Foundation*, 2013 Spring - 2016 Fall

TEACHING EXPERIENCE

- Teaching Assistant, Seminar on Deep Learning, SNU - 2019 Fall
- Teaching Assistant, Machine Learning, SNU - 2018 Spring, 2019 Spring
- Teaching Assistant, Programming Methodology, SNU - 2017 Spring, 2020 Spring