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RESEARCH INTEREST

- Deep Generative Model
- Time-Series Modeling
- Natural Language Processing
- Recommender System
- Relation Modeling

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, the Republic of Korea (From 2017)
- Course of Doctor's Degree in AAILab, ISysE
- Academic Advisor: Professor Il-Chul Moon

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, the Republic of Korea (2015-2017)
- Course of Master's Degree in AAILab, ISysE
- Academic Advisor: Professor Il-Chul Moon

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, the Republic of Korea (2010-2015)
- Bachelor of Science in Mathematical Science
- Bachelor of Science in Industrial Engineering

PUBLICATIONS

International Conference

- **Kyungwoo Song**, JoonHo Jang, Seung jae Shin, Il-Chul Moon. Bivariate Beta-LSTM. AAAI Conference on Artificial Intelligence (AAAI 2020). New York. Feb. 7-Feb. 12
- Su-Jin Shin, **Kyungwoo Song**, Il-Chul Moon. Hierarchically Clustered Representation Learning. AAAI Conference on Artificial Intelligence (AAAI 2020). New York. Feb. 7-Feb. 12
- Mingi Ji, Weonyoung Joo, **Kyungwoo Song**, Yoonyeong Kim, Il-Chul Moon. Sequential Recommendation with Context-aware Kernelized Self-Attention. AAAI Conference on Artificial Intelligence (AAAI 2020). New York. Feb. 7-Feb. 12
- **Kyungwoo Song***, Mingi Ji*, Sungrae Park, and Il-Chul Moon. Hierarchical Context enabled Recurrent Neural Network for Recommendation. AAAI Conference on Artificial Intelligence (AAAI 2019). Hawaii. Jan. 27-Feb. 1 (* Equal Contribution)
- Sungrae Park, **Kyungwoo Song**, Mingi Ji, Wonsung Lee, and Il-Chul Moon, Adversarial Dropout for Recurrent Neural Networks. AAAI Conference on Artificial Intelligence (AAAI 2019). Hawaii. Jan. 27-Feb. 1
- Il-Chul Moon, Jinhyung Tak, Sang-Hyeon Kim, and **Kyungwoo Song**, Ballistic Coefficient Estimation with Gaussian Process Particle Filter, 18th International Conference on Control, Automation and Systems (ICCAS 2018), Oct. 17–20, PyeongChang, GangWon, Korea
- **Kyungwoo Song**, Wonsung Lee, Il-Chul Moon. Neural Ideal Point Estimation Network. In The Thirty-Second AAAI Conference on Artificial Intelligence (AAAI 2018). New Orleans, Feb. 2-Feb. 7

- Wonsung Lee, **Kyungwoo Song**, Il-Chul Moon. Augmented Variational Autoencoders for Collaborative Filtering with Auxiliary Information. In The ACM International Conference on Information and Knowledge Management (CIKM 2017)
- **Kyungwoo Song**, Sang-Hyeon Kim, Jinhyung Tak, Han-Lim Choi, Il-Chul Moon. Data-driven ballistic coefficient learning for future state prediction of high-speed vehicles. In Information Fusion (FUSION), 2016 19th International Conference on (pp. 17-24). IEEE.
- **Kyungwoo Song**, Do-Hyeong Kim, Su-Jin Shin, Il-Chul Moon. Identifying the evolution of disasters and responses with network-text analysis. In Systems, Man and Cybernetics (SMC), 2014 IEEE International Conference (pp. 664-671).

International Journal

- Il-Chul Moon, **Kyungwoo Song**, Sang-Hyeon Kim, and Han-Lim Choi, State Prediction of High-speed Ballistic Vehicles with Gaussian Process, International Journal of Control, Automation and Systems, Accepted, 2018

AWARDS & SCHOLARSHIPS

- KAKAO Research Supporting Program (2018)
- AAAI-18 Student Scholar
- SMC Student Travel Grant, 2014

TEACHING EXPERIENCE

- Korea Advanced Institute of Science and Technology (KAIST), Daejeon, the Republic of Korea (2017 Fall)
  - **Teaching Assistant (Head)**, Applied Data Structures, and Algorithms (for Prof. Moon, SESLab, ISysE)
- Hanbat National University, Daejeon, the Republic of Korea (2017 Spring)
  - **Part-Time Lecturer**, Operations Management (Dept. Business Administration)
- Korea Advanced Institute of Science and Technology (KAIST), Daejeon, the Republic of Korea (2016 Spring)
  - **Teaching Assistant**, Applications of AI/DM Technology (for Prof. Moon, SESLab, ISysE)
- Korea Advanced Institute of Science and Technology (KAIST), Daejeon, the Republic of Korea (2015 Fall)
  - **Teaching Assistant**, Applied Data Structures, and Algorithms (for Prof. Moon, SESLab, ISysE)