KYUNGWOO SONG

Ph.D. Candidate @ KAIST, ISysE

gtshs2@kaist.ac.kr | +82-10-9198-4269

Website : gtshs2.github.io

EDUCATION

KAIST, Daejeon, Korea　　　　　　　　　　　　　　　　　　　*Mar 2017 - Feb 2021 (expected)*
Ph.D. in AAILab, ISysE
Advisor: Il-Chul Moon
Area : Generative Model, Sequence Model

KAIST, Daejeon, Korea　　　　　　　　　　　　　　　　　　　　　　*Mar 2015 – Feb 2017*
M.S. in AAILab, ISysE
Advisor: Il-Chul Moon

KAIST, Daejeon, Korea　　　　　　　　　　　　　　　　　　　　　　*Feb 2010 – Feb 2015*
B.S. in Mathematical Science
B.S. in Industrial Systems Engineering

PUBLICATIONS

[1] **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

[2] 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

[3] 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

[4] **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)

[5] 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

[6] 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

[7] **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

[8] 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

[9] 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)

[10] **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.

[11] **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).

AWARDS SCHOLARSHIPS

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

INVITED TALKS

KAKAO, Korea   *May 2018*
Naver, Korea   *April 2018*

SERVICES

Reviewer/Program Committee: IJCAI 2020, ACL 2020
Secondary Reviewer/Program Committee: IJCAI 2017

TEACHING EXPERIENCE

KAIST, Daejeon, Korea   *Fall 2017*
Teaching Assistant, Applied Data Structures, and Algorithms, ISysE

Hanbat National University, Daejeon, Korea   *Spring 2017*
Part-Time Lecturer, Operations Management, Business Administration

KAIST, Daejeon, Korea   *Spring 2016*
Teaching Assistant, Applications of AI/DM Technology, ISysE

KAIST, Daejeon, Korea   *Fall 2015*
Teaching Assistant, Applied Data Structures, and Algorithms, ISysE