Sumin Han

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EDUCATION

Korea Advanced Institute of Science and Technology   *From* March 2018
(Current) Pursuing Integrated Master and Ph.D.
Korea Advanced Institute of Science and Technology   Feburary 2018
Bachelor of Science in Computer Science

PUBLICATIONS

INTERNATIONAL

[1] Sumin Han, Youngjun Park, Minji Lee, Jisun An, and Dongman Lee. "Enhancing Spatiotemporal Traffic Prediction through Urban Human Activity Analysis". In: *Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (CIKM '23)*. 2023.

[2] Youngjun Park, Sumin Han, Jisun An, and Dongman Lee. "Encoding Urban Trajectory as a Sentence: Deep Learning Insights for Human Mobility Pattern". In: *ACSP* (2023).

[3] Sumin Han, Dasom Hong, and Dongman Lee. "Exploring commercial gentrification using Instagram data". In: *2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*. IEEE. 2020, pp. 557–564.

[4] Sumin Han, Kinam Park, and Dongman Lee. "Discovering Daily POI Exploitation Using LTE Cell Tower Access Traces in Urban Environment". In: *International Conference on Social Informatics (SocInfo)*. Springer. 2020, pp. 81–94.

[5] Dongmin Kim, Sumin Han, Heesuk Son, and Dongman Lee. "Human Activity Recognition Using Semi-supervised Multi-modal DEC for Instagram Data". In: *Advances in Knowledge Discovery and Data Mining: 24th Pacific-Asia Conference, PAKDD 2020, Singapore, May 11–14, 2020, Proceedings, Part I 24*. Springer. 2020, pp. 869–880.

DOMESTIC

[1] Thanh Long Cao, Sumin Han, and Dongman Lee. "Applying Scene Graphs for Improving Multi-modal Supervised Learning based Human Activity Recognition on Instagram Posts". In: 한국정보과학회 학술발표논문집 (2022), pp. 855–857.

[2] Changhui Kim, Sumin Han, and Dongman Lee. "Inference of Station-unit Placeness through a Subway Ridership Pattern". In: 한국정보과학회 학술발표논문집 (2022), pp. 1794–1796.

[3] Zofia Marciniak, Sumin Han, and Dongman Lee. "Understanding the impact of the Weather on Human Mobility via LTE Access Traces in Seoul Districts". In: *한국 HCI 학회 학술대회* (2021), pp. 615–618.

[4] 김수빈, 한수민, and 이동만. "서울시의 토지 이용에 따른 도로의 차량 속도의 상관관계 분석". In: 한국정보과학회 학술발표논문집 (2021), pp. 119–121.

[5] 안정미, 한수민, and 이동만. "인스타그램 데이터를 활용한 장소성 분석 및 시각화". In: *한국 HCI 학회 학술대회* (2020), pp. 929–933.

[6] 정종구, 한수민, and 이동만. "인스타그램에서 나타나는 인간 활동 패턴의 연간 변화 분석". In: *한국 HCI 학회 학술대회* (2020), pp. 723–726.

[7] 한수민 and 김명호. "베이지안 개인화 순위 방법 기반 대용량 이종 네트워크에서의 효율적인 랜덤 워크 순위 계산". In: *2018 한국소프트웨어종합학술대회*. 한국정보과학회. 2018.

PROJECTS

DeepUrban | Urban data sharing platform (link) (2023)
Starlab 2019 | Self-Learning based Autonomic IoT Edge Computing (2019 ~ 2017)