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EDUCATION

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|---|-----------------------|
| Korea Advanced Institute of Science and Technology
<i>Ph.D. (Integrated Master and Ph.D.)</i> | Mar. 2018 – Aug. 2024 |
| Korea Advanced Institute of Science and Technology
<i>Bachelor of Science in Computer Science</i> | Mar. 2013 – Feb. 2018 |

PUBLICATIONS

INTERNATIONAL

- [1] Sumin Han, Youngjun Park, Sabir Sonia, Jisun An, and Dongman Lee. “Improving Real Estate Appraisal with POI Integration and Areal Embedding”. In: *DMO-FinTech Workshop held in conjunction with the PAKDD conference in May 7-10. 2024*.
- [2] 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.
- [3] 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)*.
- [4] 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.
- [5] 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.
- [6] 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. “페이지안 개인화 순위 방법 기반 대용량 이중 네트워크에서의 효율적인 랜덤 워크 순위 계산”. In: *2018 한국소프트웨어융합학술대회*. 한국정보과학회. 2018.

DeepUrban | Urban data sharing platform, <https://deepurban.kaist.ac.kr> (2023)

Starlab 2019 | Self-Learning based Autonomic IoT Edge Computing (2019 ~ 2017)