

Seungjae Han

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EDUCATION

Feb. 2020 ~ Present	KAIST (Korea Advanced Institute of Science and Technology) School of Electrical Engineering Advisor: Young-Gyu Yoon <i>Integrated Master's & Ph.D. Program</i> in School of Electrical Engineering	Daejeon, Korea
Mar. 2017 ~ Feb. 2020	Yonsei University School of Integrated Technology <i>Bachelor of Science</i> in School of Integrated Technology	Seoul, Korea

JOURNALS

(*co-first authors)

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- [1] E.-S. Cho*, **S. Han***, K.-H. Lee, C.-H. Kim, Y.-G.Yoon, "3DM: Deep decomposition and deconvolution microscopy for rapid neural activity imaging", *Optics Express*, 2021. ([Editors' Pick](#), [Image of the Week](#))

INTERNATIONAL CONFERENCES

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- [1] **S. Han**, E.-S. Cho., I. Park, K. Shin, Y.-G.Yoon, "Efficient Neural Network Approximation of Robust PCA for Automated Analysis of Calcium Imaging Data", *24th International Conference on Medical Image Computing & Computer Assisted Intervention (MICCAI)*, 2021.
- [2] **S. Han**, T. Kang, J. Seo, "Smartphone Application to Estimate Distances from LTE Base Stations Based on Received Signal Strength Measurements", *34th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC)*, 2019. ([Oral](#))
- [3] H.-S. Moon, W. Kim, **S. Han**, J. Seo, "Observation of Human Trajectory in Response to Haptic Feedback from Mobile Robot", *18th International Conference on Control, Automation and Systems (ICCAS)*, 2018.

DOMESTIC CONFERENCES (KOREAN)

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- [1] **S. Han**, S. Kim, J. Seo, "Machine Learning Based Sound Source Localization in the Indoor Environment", *2019 Korean Navigation Institute (KONI) Conference*, 2019.
- [2] S. Kim, **S. Han**, J. Seo, "Sound Source Localization in the Indoor Environment Based on Time Difference of Arrival Measurements", *2019 Korean Navigation Institute (KONI) Conference*, 2019.
- [3] **S. Han**, H. -S. Moon, J. Seo, "Development of Human Following Mobile Robot Utilizing Haptic Signals", *2018 Korean Navigation Institute (KONI) Conference*, 2018.

AWARDS AND HONORS

Undergraduate Research Program (Research fund) & Best Project Award
2019, Korea Foundation for the Advancement of Science & Creativity

Short-term visiting researcher to Boğaziçi University, Turkey (Travel and lodging cost)
2019, Yonsei University

IT Consilience Creative Program (Tuition waiver & Stipend)
2017 ~ 2019, Ministry of Science, ICT and Future Planning