Publications & Talks

Research Papers of NNStreamer

- **Toward Among-Device AI from On-Device AI with Stream Pipeline**s (to appear in ICSE 2022 SEIP), *MyungJoo Ham, Sangjung Woo, Jaeyun Jung, Wook Song, Gichan Jung, Yongjoo Ahn, Hyoung Joo Ahn*
- **NNStreamer: Efficient and Agile Development of On-Device AI Systems** (ICSE 2021 SEIP), *MyungJoo Ham; Jijoong Moon; Geunsik Lim; Jaeyun Jung; Hyoungjoo Ahn; Wook Song; Sangjung Woo; Parichay Kapoor; Dongju Chae; Gichan Jang; Yongjoo Ahn; Jihoon Lee*
- **Performance Analysis of Neural Network Pipelining for Multimodal On-Device AI Applications** (KIISE 2019), *Jijoong Moon, MyungJoon Ham, Geunsik Lim*

Research Papers of NNStreamer's Side Projects (TAOS-CI, NNTrainer)

- (TAOS-CI) **LightSys: Lightweight and Efficient CI System for Improving Integration Speed of Software** (ICSE 2021 SEIP), *Geunsik Lim, MyungJoo Ham, Jijoong Moon, Wook Song*
- (TAOS-CI) **VTS: Virtual Testbed System for Cloud-based On-Device AI Application** (KIISE Transactions on Computing Practices, 2020), *Geunsik Lim, MyungJoo Ham, Jaeyun Jung*
- (TAOS-CI) **Cloud-based TestBed for On-Device AI Application** (KIISE 2019), *Geunsik Lim, MyungJoo Ham, Jaeyun Jung*
- (TAOS-CI) **TAOS-CI: Lightweight & Modular Continuous Integration System for Edge Computing** (ICCE 2019), *Geunsik Lim, MyungJoo Ham, Ji Joong Moon, Wook Song, Sangjung Woo, Sewon Oh*

- (NNTrainer) (submitted / under review)

Technical Reports

- **NNStreamer: Stream Processing Paradigm for Neural Networks, Toward Efficient Development and Execution of On-Device AI Applications** (arXiv:1901.04985), *MyungJoo Ham, Ji Joong Moon, Geunsik Lim, Wook Song, Jaeyun Jung, Hyoungjoo Ahn, Sangjung Woo, Youngchul Cho, Jinhyuck Park, Sewon Oh, Hong-Seok Kim*

Talks

- GStreamer Conference 2018
- SOSCON 2018
- Naver Tech Talk 2018
- Samsung Developer Conference 2019
- SOSCON 2020 (students)
- Samsung Software Developer Conference 2021