| Graduate School of AI | URL: http://gsai.kaist.ac.kr/ |
|---|---|
| | Dept. Phone: +82-42-350-1802~5 |

▣ **Introduction**

The Graduate School of AI (GSAI) was established in 2019 to offer Korea's first MS and PhD programs in artificial intelligence (AI). Our faculty comprises world class experts in the fields of Machine Learning, Artificial Intelligence, Data Mining, Computer Vision and Natural Language Processing. GSAI aims to foster the next generation of transdisciplinary talent in AI through transdisciplinary education covering core technologies in AI as well as their applications in a wide range of fields.

▣ **Academic and Research Activities**

➢ **Key Areas of Research at GSAI**

1) AI/ML Core Research

- Cutting-edge AI technology, including machine learning and deep learning, can enable remarkable performance in a wide range of applications. However, many practical limitations to the use of AI technology still remain in various industries. GSAI aims to develop solutions to overcome these limitations by leading innovation in Massive AI, Automated AI, Reliable AI, and Secure AI.

| | Massive AI | Automated AI | Reliable AI | Secure AI |
|---|---|---|---|---|
| AI/ML | AI with algorithms and systems designed for massive data and high user load environments | AI with full automation of all steps, including model selection, learning, estimation, modification, and adaptation | AI that is reliable and predictable over all steps in data collection, learning, and prediction systems. | AI that is robust against malicious attacks and with minimized risk of learned data and parameter leakage |

2) AI + X Research

- GSAI's AI+X program consists of transdisciplinary research based on core AI technology. Instead of simply adding AI components to issues in X fields, we acquire sufficient domain knowledge in X to conduct research that fully reflects domain characteristics and addresses real problems in the field of X.