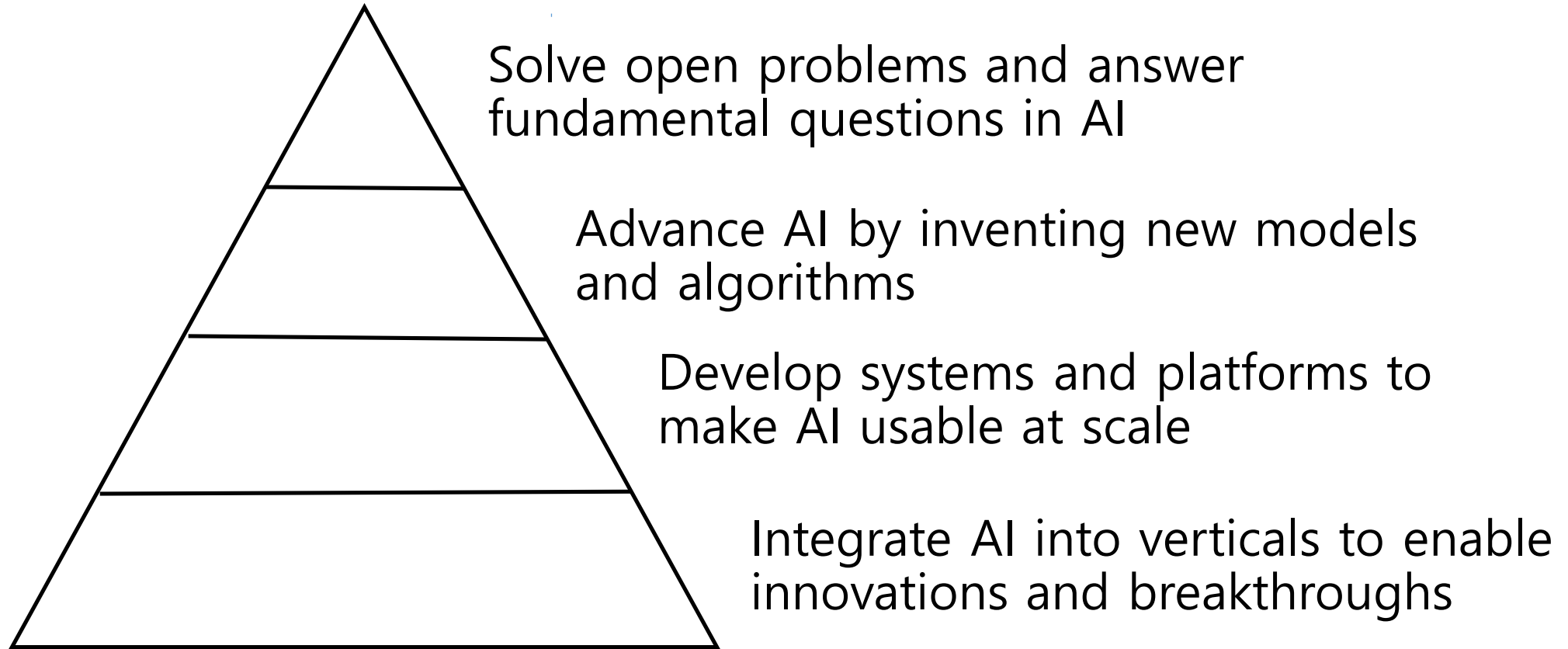


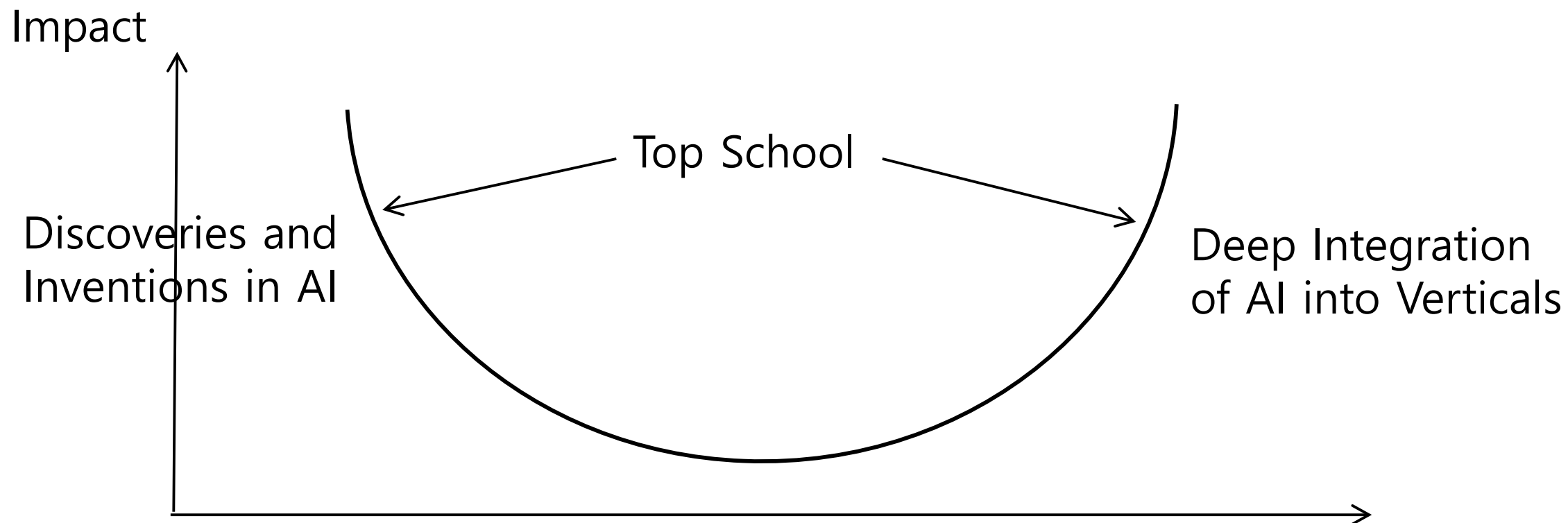
Nurturing and Recruiting Top-Tier AI Talent – The Case of KAIST GSAI

Song Chong
Professor and Head,
KAIST Graduate School of AI

Demand for AI Talent

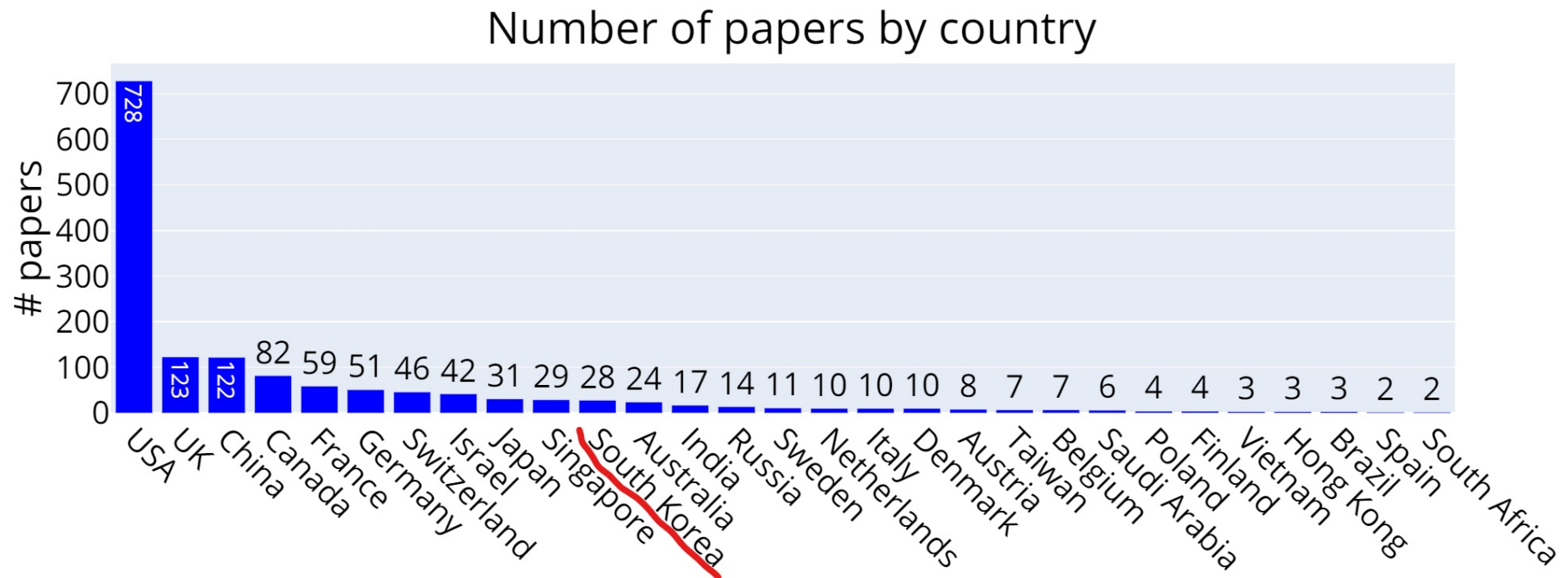


Research Impact



Where Korea Is

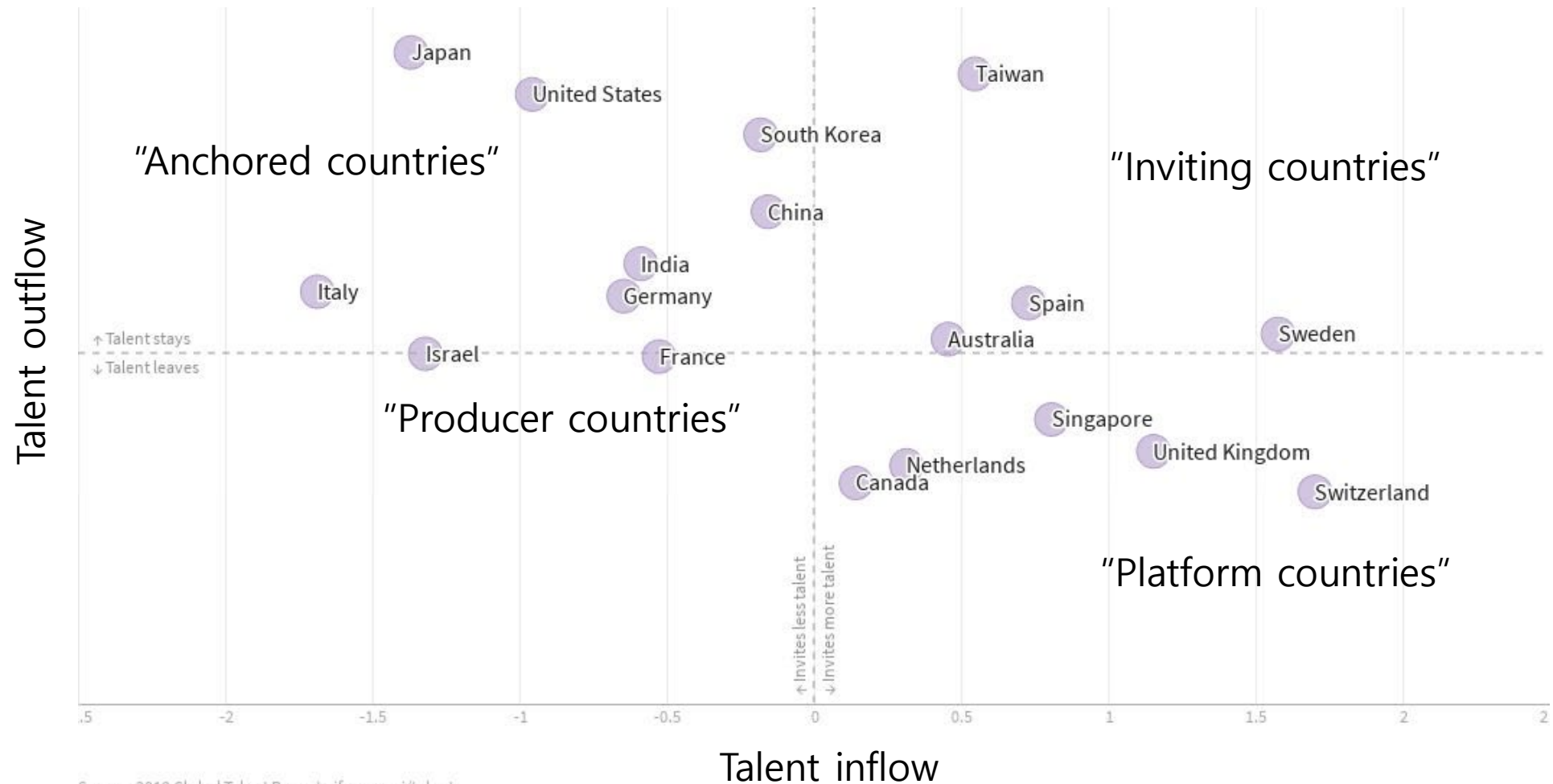
- Korea ranked 11th in ICML 2020 in terms of # of papers



Source: <https://medium.com/criteo-labs/icml-2020-comprehensive-analysis-of-authors-organizations-and-countries-c4d1bb847fde>

- 28 Korean papers: academia 19, industry 9

AI Talent Inflow and Outflow



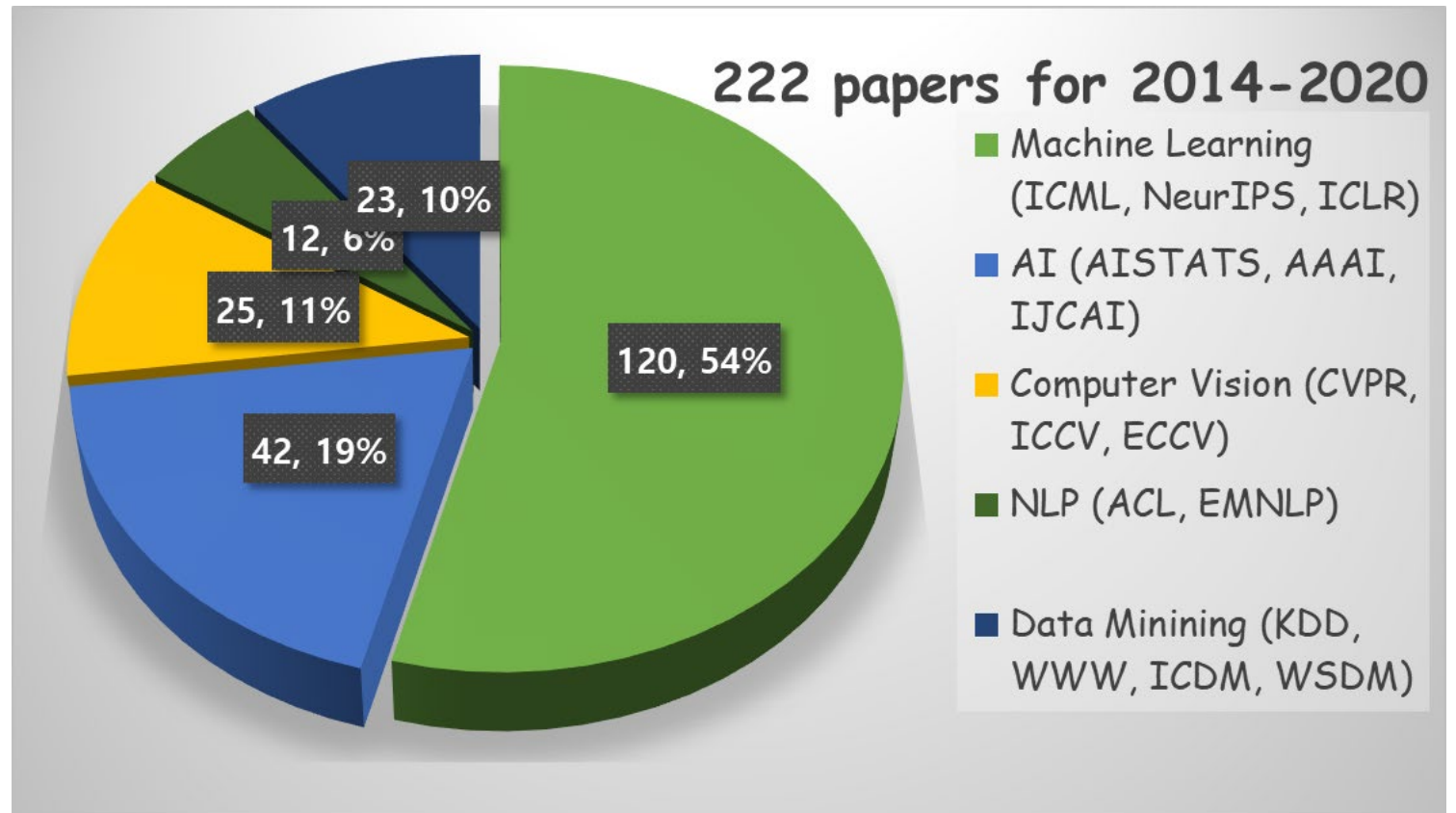
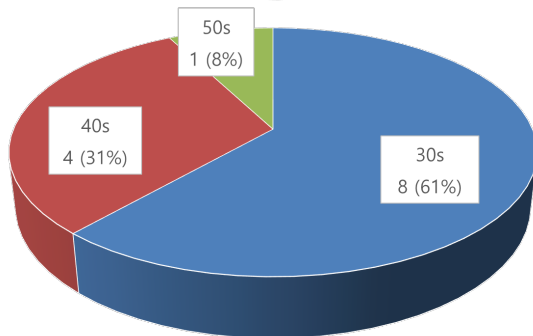
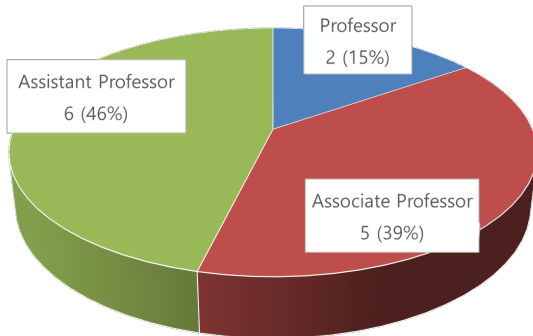
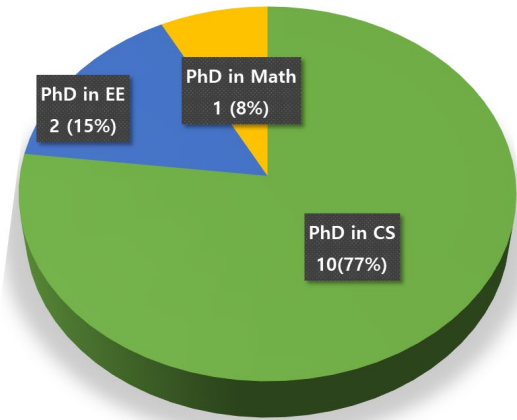
Difficulties in Recruiting Top-tier AI PhDs in the US

- Quality of peers
- Computing resource
- Independence of research
- Quality of living
- Salary

About KAIST GSAI

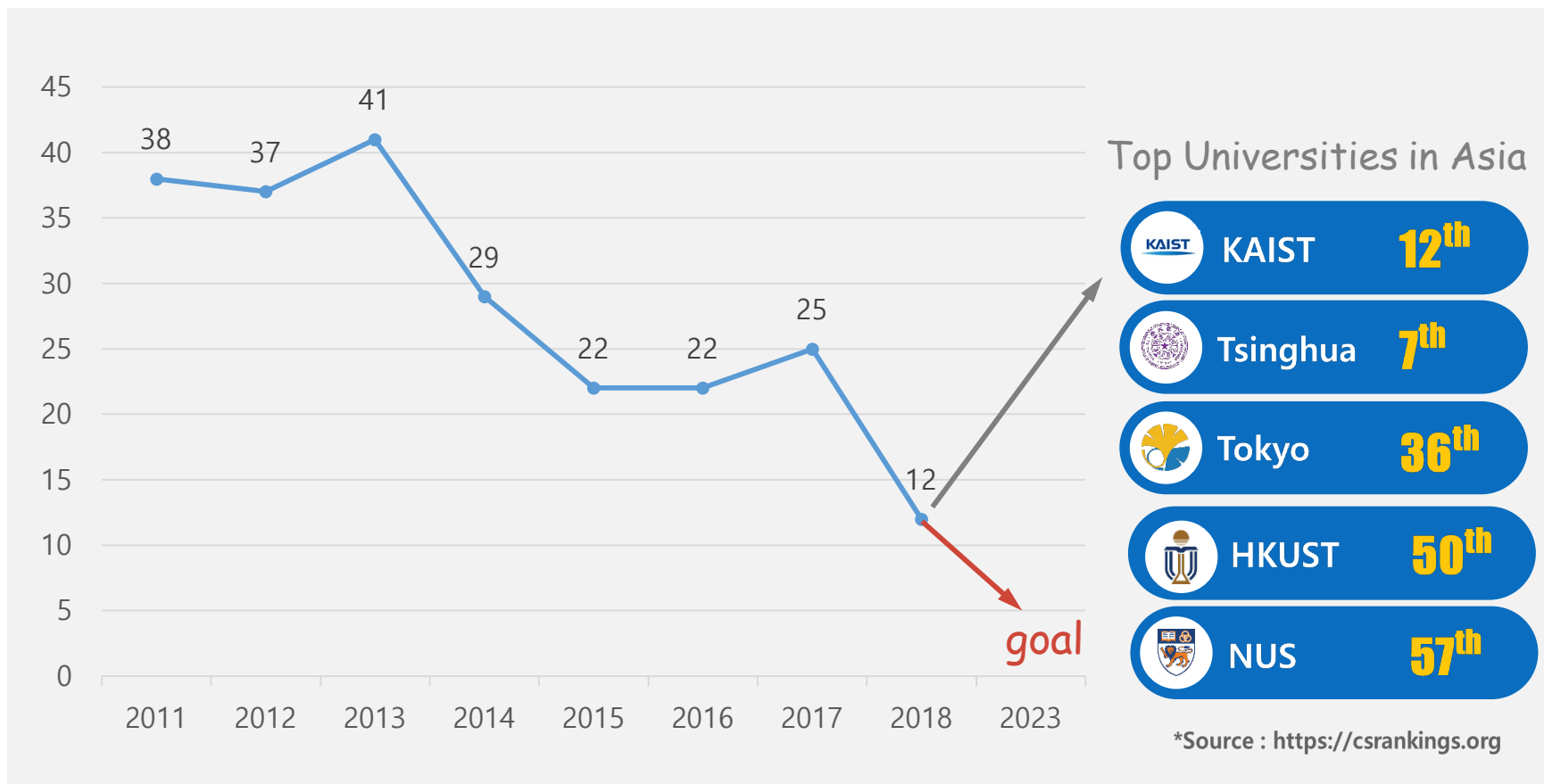
- Korea's first MS and PhD program in Artificial Intelligence
- Established as part of national strategic plan
- 138 graduate students (47 PhD students and 91 master students)
- 13 core faculty members and 8 affiliated faculty members
- Recruited from Google Research, IBM T. J. Watson, Nvidia Research, Google DeepMind, Disney Research, Microsoft Research, Lawrence Berkeley National Laboratory, LinkedIn, AT&T Bell Labs, Samsung Advanced Institute of Technology, etc.

Core Faculty at KAIST GSAI



KAIST AI Ranking

Global ranking by # of ICML & NeurIPS papers



Curriculum at KAIST GSAI

Course Type	Course #	Course Name	Course Type	Course #	Course Name
Elective Major	AI501	Machine Learning for AI	Elective Major	AI609	Parallel and Distributed Computation for AI
	AI502	Deep Learning		AI610	Sequential Decision Making under Uncertainty
	AI503	Mathematics for AI		AI611	Deep Reinforcement Learning
	AI504	Programming for AI		AI612	Machine Learning for Healthcare
	AI505	Optimization for AI		A613	Musical Applications of Machine Learning
	AI506	Data Mining and Search		AI701	Bayesian Machine Learning
	AI601	Advanced Machine Learning for AI		AI702	Interpretability and Interactivity in AI
	AI602	Advanced Deep Learning		AI703	Systems and Applications of Artificial Intelligence and Machine Learning
	AI603	Machine Learning Theory		AI810	Special Topics in Artificial Intelligence
	AI604	Deep Learning for Computer Vision	Research	AI960	M.S. Thesis Research
	AI605	Deep Learning for Natural Language Processing		AI966	M.S. Seminar
	AI606	Recommender Systems		AI980	Ph.D. Thesis Research
	AI607	Graph Mining and Social Network Analysis		AI986	Ph.D. Seminar
	AI608	AI-based Time Series Analysis			