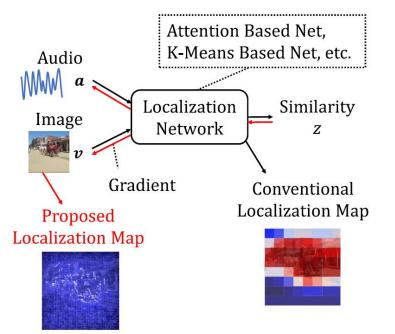
## (PS T1.3, 1783) Unsupervised Sound Source Localization From Audio-Image Pairs Using Input Gradient Map Tomohiro Tanaka, Takahiro Shinozaki



- We proposed an input gradient-based unsupervised sound source localization method
- It has a low computational cost and high resolution, and can be combined with any existing methods
- We obtained consistent improvement by combining it with conventional methods

Model	AUC	p-value
Baseline†(no box)	(56.8%)	N/A
Baseline(no box)	56.0%	N/A
Baseline(box)	57.4%	N/A
Proposed(BP)	55.4%	.062
Proposed(GBP)	56.4%	.349
Combined(BP)	59.7%	<.001***
Combined(GBP)	<b>59.9%</b>	<.001***



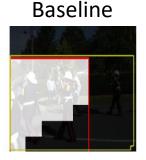
Tokyo Institute of Technology





Original













Baseline Proposed

Combined