KAI KATSUMATA

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PUBLICATIONS https://scholar.google.co.jp/citations?user=qxle99gaaaaj

Peer-reviewed

· K. Katsumata *et al.,* "A Compact Dynamic 3D Gaussian Representation for Real-Time Dynamic View Synthesis," *ECCV*, 2024.

· K. Katsumata *et al.,* "Revisiting Latent Space of GAN Inversion for Real Image Editing," *WACV*, 2024.

· K. Katsumata *et al.,* "Soft Curriculum for Learning Conditional GANs with Noisy-Labeled and Uncurated Unlabeled Data," *WACV*, 2024.

· K. Katsumata *et al.,* "Label Augmentation as Inter-class Data Augmentation for Conditional Image Synthesis with Imbalanced Data," *WACV*, 2024.

· K. Katsumata *et al.,* "Balancing Reconstruction and Editing Quality of GAN Inversion for Real Image Editing with StyleGAN Prior Latent Space," In *the AI for Content Creation workshop at CVPR*, 2023.

· K. Katsumata *et al.,* "OSSGAN: Open-Set Semi-Supervised Image Generation," In *CVPR*, 2022.

· K. Katsumata *et al.,* "Open-Set Domain Generalization via Metric Learning," In *ICIP*, 2021.

· K. Katsumata and H. Nakayama, "Semantic Image Synthesis from Inaccurate and Coarse Masks," In *ICASSP*, 2021.

· K. Katsumata and R. Kobayashi, "Uncertainty Estimates in Bayesian Deep Generative Models," *Advances in Visual Computing*, 2020.

Non Peer-reviewed

· K. Katsumata *et al.,* "Deformable 3D-Aware GAN with Implicit Deformation Fields," In *MIRU*, 2023.

WORK EXPERIENCE

CyberAgent Inc., Tokyo - Research Intern   Feb – Apr 2024
· Did research on robust dynamic Gaussian splatting.

Preferred Networks Inc., Tokyo - Research Intern   Aug – Sep 2022
· Did research on unconditional image generation and visual artifact removal.

Idein Inc., Tokyo - Part-time Software Engineer   Apr 2017 – Apr 2021
· Did research on deep learning algorithms for face detection and facial landmark localization.

METRICA Co., Ltd., Tokyo - Software Engineer   Jan – Dec 2018
· Replicated machine learning models and prototyped an adult care service.

SenseTime Group Ltd., Beijing and Tokyo - Research Intern   Feb – Jun 2018
· Did research on unsupervised image-to-image translation for data augmentation.

HONORS & AWARDS

Google Travel and Conference Grants, $1.6K, 2024.

German Academic Exchange Service (DAAD) AInet fellow, €3K, 2023.

Japan Society for the Promotion of Science (JSPS) Research Fellowship for Young Scientists (DC2), ¥1.8M, 2023–2025.

Sprouting Research RA in Value Exchange Engineering by RIISE@UTokyo, ¥2.0M, 2023–2024.

Grad. Sch. of IST Doctoral Student Special Incentives Program (IST-RA), 2022–2023.

RIKEN Junior Research Associate Program (JRA), 2022–2023.

Microsoft Research Asia Collaborative Research 2022 Grant (D-CORE) Award, $10K, 2022.

JASSO Repayment Exemption for Students with Excellent Grades (Exemption of all of loan), ¥2.1M, 2022.

Toyota/Dwango AI Scholarship, ¥1.2M, 2021–2022.

JEES/Softbank AI Scholarship, ¥1M, 2020–2021.

EDUCATION

The University of Tokyo - Ph.D. in Information Science and Technology   Apr 2022 –
The University of Tokyo - Master of Information Science and Technology   Apr 2020 – Mar 2022
Keio University - Bachelor of Arts in Environment and Information Studies   Apr 2016 – Mar 2020