



AIE

WISE Program
for AI Electronics

第5回講演会のお知らせ

Foundations and Recent Advances in Deep Generative Modeling: Diffusion and GAN

Since the breakthrough in deep learning, the development of deep generative models has progressed rapidly, driven by the proposal of new models, the refinement of network architectures, and advances in computing power. In particular, the rise of diffusion models and the effective use of adversarial learning have enabled the creation of generative AI that can handle large-scale, high-quality data across various modalities. In this lecture, we will introduce the fundamentals of diffusion models and GANs, which are essential to these recent advancements, along with some of the latest results achieved at Sony AI.

講師

Sony AI, Sony Research Inc.

Research scientist and tech leader of Deep Generative Modeling group

Chieh-Hsin Lai 様

Research scientist and leader of Deep Generative Modeling group

Yuhta Takida 様

Profile:

Chieh-Hsin Lai, PhD in Mathematics (University of Minnesota, 2021), is a research scientist and tech leader at Sony AI's Music Foundation Model Team. He specializes in deep generative modeling, diffusion models, and AI for Science, with a focus on mathematically explainable AI.

Yuhta Takida received B.E. and M.S. degrees from the University of Tokyo in 2017 and 2019, respectively, and joined Sony Corporation the same year. Since 2023, he has been working as a Research Scientist and the leader of Deep Generative Model Team at Sony AI. He earned his PhD in Engineering in 2024. His areas of expertise include machine learning, generative models, and inverse problems.

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10/16 WED
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1階 復興記念ホール

【オンライン併用】

アクセス



参加申込

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