Minhyuk Sung

Associate Professor, Department of AI Computing, KAIST

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Employment

Associate Professor — Mar 2026 - Present
Department of AI Computing, **KAIST**, Daejeon, Republic of Korea
Affiliated with the **School of Computing** and
the **Graduate School of AI**

Associate Professor — Mar 2025 - Feb 2026
School of Computing, **KAIST**, Daejeon, Republic of Korea

Assistant Professor — Jan 2021 - Feb 2025
School of Computing, **KAIST**, Daejeon, Republic of Korea

Research Scientist — Oct 2019 - Dec 2020
Adobe Research, San Jose, CA, USA

Research Intern — Jun 2017 - Sep 2017
Autodesk Research, San Francisco, CA, USA

Research Intern — Jun 2016 - Sep 2016
Adobe Research, Seattle, WA, USA

Research Intern — Jun 2015 - Sep 2015
Google, Mountain View, CA, USA

Research Intern — Jun 2014 - Sep 2014
Google, Mountain View, CA, USA

Researcher — Mar 2010 - Jul 2013
Imaging Media Research Center (IMRC)
Korea Institute of Science and Technology (KIST), Seoul, South Korea

Education

2013 - 2019 | Ph.D. in Computer Science,
Stanford University
Stanford, CA, USA
Dissertation: **Learning and exploring the compositional structure of 3D data**
Advisor: Leonidas Guibas

2008 - 2010 | Master of Science in Computer Science,
Korea Advanced Institute of Science and Technology (KAIST)
Daejeon, South Korea
Thesis: **A Spectral Approach to Shape Matching Using a Heat Kernel Function**
Advisor: Sung Yong Shin

2004 - 2008 | Bachelor of Science in Computer Science,
Korea Advanced Institute of Science and Technology (KAIST)
Daejeon, South Korea
Top Rank in Computer Science Department

Publications

1. **MUNI: Multimodal Unified Latent Diffusion for Coherent Any-to-Any Generation**
   Kyeongmin Yeo*, Yunhong Min*, **Minhyuk Sung** (* equal contributions)
   NeurIPS 2026

2. **Contrastive Distribution Matching for Amortized Sequential Monte Carlo in Discrete Diffusion**
   Jaihoon Kim, Taehoon Yoon, Prin Phunyaphibarn, Seungjun Kim, Morteza Mardani, **Minhyuk Sung**
   NeurIPS 2026

3. **Retrieval Heads Meet Vision: Uncovering How VLMs Locate and Extract Visual Information**
   Chanho Park, Daehyeon Choi, Jihyun Lee, **Minhyuk Sung**
   NeurIPS 2026

4. **Drifting Field Policy: A One-Step Generative Policy via Wasserstein Gradient Flow**
   Juil Koo, Mingue Park, Jiwon Choi, Yunhong Min, **Minhyuk Sung**
   NeurIPS 2026

5. **NoiseTilt: Noise-Tilted Reverse Kernels for Diffusion Reward Alignment**
   Jisung Hwang, Yunhong Min, Jaihoon Kim, I-Chao Shen*, **Minhyuk Sung*** (* co-corresponding authors)
   ECCV 2026

6. **DiverseVAR: Balancing Diversity and Quality of Next-Scale Visual Autoregressive Models**
   Mingue Park*, Prin Phunyaphibarn*, Phillip Y. Lee, **Minhyuk Sung** (* equal contributions)
   ECCV 2026

7. **MorphGS: Morphology-Adaptive Articulated 3D Motion Transfer from Videos**
   Taeyeon Kim*, Youngju Na*, Jumin Lee, Sebin Lee, **Minhyuk Sung**, Sung-Eui Yoon (* equal contributions)
   ECCV 2026

8. **Gradient Preconditioning for Efficient and Reliable Reward-Guided Generation**
   Jisung Hwang, **Minhyuk Sung**
   ICML 2026

9. **MatLat: Material Latent Space for PBR Texture Generation**
   Kyeongmin Yeo, Yunhong Min, Jaihoon Kim, **Minhyuk Sung**
   CVPR 2026

10. **Token Warping Helps MLLMs Look from Nearby Viewpoints**
    Phillip Y. Lee*, Chanho Park*, Mingue Park, Seungwoo Yoo, Juil Koo, **Minhyuk Sung** (* equal contributions)
    CVPR 2026

11. **Demystifying Transition Matching: When and Why It Can Beat Flow Matching**
    Jaihoon Kim, Rajarshi Saha, **Minhyuk Sung**, Youngsuk Park
    AISTATS 2026

12. **BézierFlow: Learning Bézier Stochastic Interpolant Schedulers for Few-Step Generation**
    Yunhong Min*, Juil Koo*, Seungwoo Yoo, **Minhyuk Sung** (* equal contributions)
    ICLR 2026

13. **PairFlow: Closed-Form Source-Target Coupling for Few-Step Generation in Discrete Flow Models**
Mingue Park*, Jisung Hwang*, Seungwoo Yoo*, Kyeongmin Yeo, **Minhyuk Sung** (* equal contributions)
ICLR 2026

14. **DiffusionRollout: Uncertainty-Aware Rollout Planning in Long-Horizon PDE Solving**
Seungwoo Yoo*, Juil Koo*, Daehyeon Choi*, **Minhyuk Sung** (* equal contributions)
TMLR

15. **Proxy-Free Gaussian Splats Deformation with Splat-Based Surface Estimation**
Jaeyeong Kim, Seungwoo Yoo, **Minhyuk Sung**
3DV 2026

16. **BoxSplitGen: A Generative Model for 3D Part Bounding Boxes in Varying Granularity**
Juil Koo*, Wei-Tung Lin*, Chanho Park, Chanhyeok Park, **Minhyuk Sung** (* equal contributions)
WACV 2026

17. **Unconditional Priors Matter! Improving Conditional Generation of Fine-Tuned Diffusion Models**
Prin Phunyaphibarn, Phillip Y. Lee, Jaihoon Kim, **Minhyuk Sung**
WACV 2026

18. **Ψ-Sampler: Initial Particle Sampling for SMC-Based Inference-Time Reward Alignment in Score Models**
Taehoon Yoon*, Yunhong Min*, Kyeongmin Yeo*, **Minhyuk Sung** (* equal contributions)
NeurIPS 2025 (Spotlight)

19. **Inference-Time Scaling for Flow Models via Stochastic Generation and Rollover Budget Forcing**
Jaihoon Kim*, Taehoon Yoon*, Jisung Hwang*, **Minhyuk Sung** (* equal contributions)
NeurIPS 2025

20. **ORIGEN: Zero-Shot 3D Orientation Grounding in Text-to-Image Generation**
Yunhong Min*, Daehyeon Choi*, Kyeongmin Yeo, Jihyun Lee, **Minhyuk Sung** (* equal contributions)
NeurIPS 2025

21. **Moment- and Power-Spectrum-Based Gaussianity Regularization for Text-to-Image Models**
Jisung Hwang, Jaihoon Kim, **Minhyuk Sung**
NeurIPS 2025

22. **Neural Green' s Functions**
Seungwoo Yoo, Kyeongmin Yeo, Jisung Hwang, **Minhyuk Sung**
NeurIPS 2025

23. **Perspective-Aware Reasoning in Vision-Language Models via Mental Imagery Simulation**
Phillip Y. Lee, Jihyeon Je, Chanho Park, Mikaela Angelina Uy, Leonidas Guibas, **Minhyuk Sung**
ICCV 2025

24. **MemBench: Memorized Image Trigger Prompt Dataset for Diffusion Models**
Chunsan Hong, Tae-Hyun Oh*, **Minhyuk Sung***
(* Co-Corresponding authors)
TMLR 2025

25. **VideoHandles: Editing 3D Object Compositions in Videos Using Video Generative Priors**
Juil Koo, Paul Guerrero, Chun-Hao Paul Huang, Duygu Ceylan, **Minhyuk Sung**
CVPR 2025

26. **REWIND: Real-Time Egocentric Whole-Body Motion Diffusion with Exemplar-Based Identity Conditioning**
Jihyun Lee, Weipeng Xu, Alexander Richard, Shih-En Wei, Shunsuke Saito, Shaojie Bai, Te-Li Wang, **Minhyuk Sung**, Tae-Kyun Kim, Jason Saragih
CVPR 2025

27. **StochSync: Stochastic Diffusion Synchronization for Image Generation in Arbitrary Spaces**
Kyeongmin Yeo*, Jaihoon Kim*, **Minhyuk Sung**
(* Equal contributions)
ICLR 2025

28. **SyncTweedies: A General Generative Framework Based on Synchronized Diffusions**
Jaihoon Kim*, Juil Koo*, Kyeongmin Yeo*,**Minhyuk Sung**
(* Equal contributions)
NeurIPS 2024

29. **Neural Pose Representation Learning for Generating and Transferring Non-Rigid Object Poses**
Seungwoo Yoo, Juil Koo, Kyeongmin Yeo, **Minhyuk Sung**
NeurIPS 2024

30. **GrounDiT: Grounding Diffusion Transformers via Noisy Patch Transplantation**
Phillip Y. Lee*, Taehoon Yoon*, **Minhyuk Sung**
(* Equal contributions)
NeurIPS 2024

31. **MV2Cyl: Reconstructing 3D Extrusion Cylinders from Multi-View Images**
Eunji Hong, Nguyen Minh Hieu, Mikaela Angelina Uy, **Minhyuk Sung**
NeurIPS 2024

32. **Occupancy-Based Dual Contouring**
Jisung Hwang, **Minhyuk Sung**
SIGGRAPH Asia 2024 (Conference Track)

33. **ReGround: Improving Textual and Spatial Grounding at No Cost**
Phillip Y. Lee, **Minhyuk Sung**
ECCV 2024

34. **PartSTAD: 2D-to-3D Part Segmentation Task Adaptation**
Hyunjin Kim, **Minhyuk Sung**
ECCV 2024

35. **Posterior Distillation Sampling**
Juil Koo, Chanho Park, **Minhyuk Sung**
CVPR 2024

36. **As-Plausible-As-Possible: Plausibility-Aware Mesh Deformation Using 2D Diffusion Priors**
Seungwoo Yoo, Kunho Kim, Vladimir G. Kim, **Minhyuk Sung**

CVPR 2024

37. **InterHandGen: Two-Hand Interaction Generation via Cascaded Reverse Diffusion**
Jihyun Lee, Shunsuke Saito, Giljoo Nam, **Minhyuk Sung**, Tae-Kyun Kim
CVPR 2024

38. **Split, Merge, and Refine: Fitting Tight Bounding Boxes via Learned Over-Segmentation and Iterative Search**
Chanhyeok Park, **Minhyuk Sung**
3DV 2024

39. **SyncDiffusion: Coherent Montage via Synchronized Joint Diffusions**
Phillip Y. Lee, Kunho Kim, Hyunjin Kim, **Minhyuk Sung**
NeurIPS 2023

40. **FourierHandFlow: Neural 4D Hand Representation Using Fourier Query Flow**
Jihyun Lee, Junbong Jang, Donghwan Kim, **Minhyuk Sung**, Tae-Kyun Kim
NeurIPS 2023

41. **OptCtrlPoints: Finding the Optimal Control Points for Biharmonic 3D Shape Deformation**
Kunho Kim, Mikaela Angelina Uy, Despoina Paschalidou, Alec Jacobson, Leonidas Guibas, **Minhyuk Sung**
Pacific Graphics 2023 (Full Paper)

42. **SALAD: Part-Level Latent Diffusion for 3D Shape Generation and Manipulation**
Juil Koo*, Seungwoo Yoo*, Minh Hieu Nguyen*, **Minhyuk Sung**
(* Equal contributions)
ICCV 2023

43. **Im2Hands: Learning Attentive Implicit Representation of Interacting Two-Hand Shapes**
Jihyun Lee, **Minhyuk Sung**, Honggyu Choi, Tae-Kyun Kim
CVPR 2023

44. **ShapeTalk: A Language Dataset and Framework for 3D Shape Edits and Deformations**
Panos Achlioptas, Ian Huang, **Minhyuk Sung**, Sergey Tulyakov, Leonidas Guibas
CVPR 2023

45. **Seg&Struct: The Interplay Between Part Segmentation and Structure Inference for 3D Shape Parsing**
Junghyun Kim, Kaichun Mo, **Minhyuk Sung***, Woontack Woo*
(* Co-Corresponding authors)
WACV 2023 (Algorithm Track)

46. **LADIS: Language Disentanglement for 3D Shape Editing**
Ian Huang, Panos Achlioptas, Tianyi Zhang, Sergei Tulyakov, **Minhyuk Sung**, Leonidas Guibas
Findings of EMNLP 2022

47. **The Shape Part Slot Machine: Contact-based Reasoning for Generating 3D Shapes from Parts**
Kai Wang, Paul Guerrero, Vladimir Kim, Siddhartha Chaudhuri, **Minhyuk Sung**, Daniel Ritchie
ECCV 2022

48. **PartGlot: Learning Shape Part Segmentation from Language Reference Games**
Juil Koo, Ian Huang, Panos Achlioptas, Leonidas Guibas, **Minhyuk Sung**
CVPR 2022

49. **Pop-Out Motion: 3D-Aware Image Deformation via Learning the Shape Laplacian**
Jihyun Lee*, **Minhyuk Sung***, Hyunjin Kim, Tae-Kyun Kim
(* Equal contributions)
CVPR 2022

50. **Point2Cyl: Reverse Engineering 3D Objects from Point Clouds to Extrusion Cylinders**
Mikaela Angelina Uy*, Yen-yu Chang*, **Minhyuk Sung**, Purvi Goel, Joseph Lambourne, Tolga Birdal, Leonidas Guibas
(* Equal contributions)
CVPR 2022

51. **Implicit LiDAR Network: LiDAR Super-Resolution via Interpolation Weight Prediction**
Youngsun Kwon, **Minhyuk Sung***, Sung-eui Yoon*
(* Co-Corresponding authors)
ICRA 2022

52. **CPFN: Cascaded Primitive Fitting Networks for High-Resolution Point Clouds**
Eric-Tuan Lê, **Minhyuk Sung**, Duygu Ceylan, Radomír Měch, Tamy Boubekeur, Niloy Mitra
ICCV 2021

53. **CTRL-C: Camera calibration TRansformer with Line-Classification**
Jinwoo Lee, Hyunsung Go, Hyunjoon Lee, Sunghyun Cho, **Minhyuk Sung**, Junho Kim
ICCV 2021

54. **DeepMetaHandles: Learning Deformation Meta-Handles of 3D Meshes with Biharmonic Coordinates**
Minghua Liu, **Minhyuk Sung**, Radomír Měch, Hao Su
CVPR 2021 (Oral)

55. **MultiBodySync: Multi-Body Segmentation and Motion Estimation via 3D Scan Synchronization**
Jiahui Huang, He Wang, Tolga Birdal, **Minhyuk Sung**, Federica Arrigoni, Shi-Min Hu, Leonidas Guibas
CVPR 2021 (Oral)

56. **Joint Learning of 3D Shape Retrieval and Deformation**
Mikaela Angelina Uy, Vladimir G. Kim, **Minhyuk Sung**, Noam Aigerman, Siddhartha Chaudhuri, Leonidas Guibas
CVPR 2021

57. **DeformSyncNet: Deformation Transfer via Synchronized Shape Deformation Spaces**
Minhyuk Sung*, Zhenyu Jiang*, Panos Achlioptas, Niloy J. Mitra, Leonidas J. Guibas
(* Equal contributions)
SIGGRAPH Asia 2020

58. **Deformation-Aware 3D Model Embedding and Retrieval**
Mikaela Angelina Uy, Jingwei Huang, **Minhyuk Sung**, Tolga Birdal, Leonidas Guibas
ECCV 2020

59. **Neural Geometric Parser for Single Image Camera Calibration**
Jinwoo Lee, **Minhyuk Sung**, Hyunjoon Lee, Junho Kim
ECCV 2020

60. **Pix2Surf: Learning Parametric 3D Surface Models of Objects from Images**
Jiahui Lei, Srinath Sridhar, Paul Guerrero, **Minhyuk Sung**, Niloy Mitra, Leonidas Guibas
ECCV 2020

61. **Learning 3D Part Assembly from a Single Image**
Yichen Li*, Kaichun Mo*, Lin Shao, **Minhyuk Sung**, Leonidas Guibas
(* Equal contributions)
ECCV 2020

62. **Supervised Fitting of Geometric Primitives to 3D Point Clouds**
Lingxiao Li*, **Minhyuk Sung***, Anastasia Dubrovina, Li Yi, Leonidas Guibas
(* Equal contributions)
CVPR 2019 (Oral)

63. **GSPN: Generative Shape Proposal Network for 3D Instance Segmentation in Point Cloud**
Li Yi, Wang Zhao, He Wang, **Minhyuk Sung**, Leonidas Guibas
CVPR 2019

64. **Deep Functional Dictionaries: Learning Consistent Semantic Structures on 3D Models from Functions**
Minhyuk Sung, Hao Su, Ronald Yu, Leonidas Guibas
NeurIPS 2018

65. **Learning Fuzzy Set Representations of Partial Shapes on Dual Embedding Spaces**
Minhyuk Sung, Anastasia Dubrovina, Vladimir G. Kim, Leonidas Guibas
SGP 2018 (Symposium on Geometry Processing)

66. **ComplementMe: Weakly-Supervised Component Suggestions for 3D Modeling**
Minhyuk Sung, Hao Su, Vladimir G. Kim, Siddhartha Chaudhuri, Leonidas Guibas
SIGGRAPH Asia 2017
Featured in an ACM SIGGRAPH press release: [Link 1] [Link 2]

67. **Data-Driven Structural Priors for Shape Completion**
Minhyuk Sung, Vladimir G. Kim, Roland Angst, Leonidas Guibas
SIGGRAPH Asia 2015

68. **Level-of-detail AR: Managing points of interest for attentive augmented reality**
Min-Hyuk Sung, Yongmin Choi, Heedong Ko, Jae-In Hwang
IEEE International Conference on Consumer Electronics 2014

69. **Image Unprojection for 3D Surface Reconstruction: A Triangulation-based Approach**
Min-Hyuk Sung, Hwasup Lim, Hyoung-Gon Kim, Sang Chul Ahn
IEEE International Conference on Image Processing (ICIP) 2013

70. **Finding the M-best Consistent Correspondences between 3D Symmetric Objects**
Min-Hyuk Sung and Junho Kim

Computers & Graphics 2013

71. **Painting Alive: Handheld Augmented Reality System for Large Targets**
Jae-In Hwang, **Min-Hyuk Sung**, Ig-Jae Kim, Sang Chul Ahn, Hyoung-Gon Kim, Heedong Ko
Virtual Augmented and Mixed Reality 2013

72. **A Triangulation-Invariant Method for Anisotropic Geodesic Map Computation on Surface Meshes**
Sang Wook Yoo, Joon-Kyung Seong, **Min-Hyuk Sung**, Sung Yong Shin and Elaine Cohen
IEEE Transactions on Visualization and Computer Graphics (TVCG) 2012

73. **Putting Real-World Objects into Virtual World: Fast Automatic Creation of Animatable 3D models with a Consumer Depth Camera** (The Best Paper Award)
Hwasup Lim, Seong-Oh Lee, Jong-Ho Lee, **Min-Hyuk Sung**, Young-Woon Cha, Hyoung-Gon Kim, Sang Chul Ahn
International Symposium on Ubiquitous Virtual Reality (ISUVR) 2012

74. **Plane-dominant Object Reconstruction for Robotic Spatial Augmented Reality**
Changwoo Nam, **Min-Hyuk Sung**, Joo-Haeng Lee, Junho Kim
Ubiquitous Robots and Ambient Intelligence (URAI) 2011

Honors and Scholarships

2025	Technology Innovation Award, Excellence Award KAIST College of Engineering
2024	Prize for Excellence in Teaching KAIST
2024	Young Researcher Award Asiagraphics
2019	Doctoral Consortium ICCV 2019
2019	Doctoral Consortium SIGGRAPH 2019
2013	Doctoral Study Abroad Scholarship Recipient Honors Korea Foundation for Advanced Studies (KFAS)
2008-2010	National Science and Engineering Graduate Research Scholarship (S2-2008-000-00006-2) Korea Student Aid Foundation (KOSAF)
2004-2008	National Science and Engineering Scholarship Korea Student Aid Foundation (KOSAF)
2005-2008	Merit-based Scholarship Korea Advanced Institute of Science and Technology (KAIST)

Teaching

Fall 2026	Instructor **AIC313/CS378: Introduction to Generative Models**, KAIST
Fall 2026	Co-Instructor AIC200: Introduction to AI Computing, KAIST
Spring 2026	Instructor **CS479: Machine Learning for 3D Data**, KAIST
Fall 2025	Instructor **CS492(C): Diffusion and Flow Models**, KAIST
Spring 2025	Instructor **CS479: Machine Learning for 3D Data**, KAIST
Fall 2024	Instructor **CS492(D): Diffusion Models and Their Applications**, KAIST
Spring 2024	Instructor **CS580: Computer Graphics**, KAIST
Fall 2023	Instructor **CS479: Machine Learning for 3D Data**, KAIST
Spring 2023	Instructor **CS380: Introduction to Computer Graphics**, KAIST
Fall 2022	Instructor **CS492(J): Geometric Modeling and Processing**, KAIST
Spring 2022	Instructor **CS492(A) Machine Learning for 3D Data**, KAIST
Fall 2021	Instructor **CS492(D): Geometric Modeling and Processing**, KAIST
Fall 2021	Co-Instructor CS966: Seminar (School of Computing Colloquium), KAIST
Spring 2021	Instructor **CS492(H) Machine Learning for 3D Data**, KAIST

Academic Activities

Conference Chair	SIGGRAPH Asia 2027 Technical Communications Chair (upcoming) Korea Computer Graphics Society (KCGS) 2026 Co-Program Chair Asiagraphics Workshop on Intelligent Graphics 2025 Program Co-Chair Pacific Graphics 2023 Local Arrangement Chair KCCV 2022, 2023 Offline Presentation Chair
Program Committee Member & Area Chair	NeurIPS (2025, 2026), ICML (2026), ICLR (2025, 2026), AAAI (2023, 2024). SIGGRAPH (2026), SIGGRAPH Asia (2022, 2023, 2024, 2025), Eurographics (2022, 2024, 2025), Pacific Graphics (2023, 2025, 2026). ICCV (2025), 3DV (2026).
Associate Editor & Action Editor	TMLR (2026–Present) Computers & Graphics (2024–Present) Graphical Models (2022–Present)
Editorial Board Member	Journal of the Korea Computer Graphics Society (2022)
Workshop Organizer	Workshop on Multimodal Spatial Intelligence, CVPR 2026 (Co-Organizer) KAIST AI Transformation Workshop, 2025 Structural and Compositional Learning on 3D Data Workshop, CVPR 2023 (Co-Organizer) Women Tech Stars 2022 (Co-Organizer) KAIST Geometric and Visual Computing Workshop, 2022 (Co-Organizer) Structural and Compositional Learning on 3D Data Workshop, ICCV 2021 (Co-Organizer)
Award Committee	Eurographics 2024 Günter Enderle Award Committee

Talks and Guest Lectures

Aug 25, 2026	Samsung Human Resources Development Institute. Samsung Value Camp. Invited Speaker. AI Expert Lecture.
Jul 21, 2026	KAIST SW Education Center. Seocho AI College, AI-Transformation Program. Invited Speaker. "생성 모델의 현재와 미래."
Jul 21, 2026	Samsung Human Resources Development Institute. Samsung Value Camp. Invited Speaker. AI Expert Lecture.
Jul 10, 2026	ICML 2026 Workshop on Scalable Learning and Optimization for Efficient Multimodal AI Agents (SCALE). Invited Speaker. "Generative Modeling for Multimodal AI Agents: Reasoning, Action, and Simulation."
Jul 3, 2026	Korea Foundation for Advanced Studies (KFAS). Knowledge Festival All Seasons 2026. Invited Speaker. "AI 시대의 교육과 AI 연구."
Jun 10, 2026	Netflix. Invited Speaker. "Generative Modeling Beyond Scale: Efficiency, Guidance, and Multimodality."
Jun 9, 2026	NVIDIA. Invited Speaker. "Generative Modeling Beyond Scale: Efficiency, Guidance, and Multimodality."
May 28, 2026	KAIST. CS.10003: Elements of AI. Guest Lecturer.
May 15, 2026	Singapore Vision Day 2026. Speaker. "Generative Modeling Beyond Scale: Efficiency, Guidance, and Multimodality."

Apr 13, 2026	KAIST. Software Graduate Program/KTAI. Colloquium Speaker. "LLM 시대의 Computer Science 교육과 AI 연구의 미래."
Apr 1, 2026	KAIST. 생성AI 특강 (NC AI 생성AI 인재양성사업). Guest Lecturer.
Mar 18, 2026	IVSP&MLHMI 2026. Keynote Speaker. "Image and Video Generation: Present and Future."
Mar 13, 2026	Ministry of Science and ICT Expert Roundtable on Agentic AI, SW Industry, and Talent Development. Speaker. "바이브 코딩 시대의 컴퓨터과학 교육."
Feb 23, 2026	KAIST. Workshop on Redesigning University Education in the AI Era. Speaker. "코드를 가르치지 않는 컴퓨터과학: 스탠퍼드는 무엇을 바꾸고 있는가."
Feb 12, 2026	LG AI Research. Invited Speaker. "Toward Ambulatory Vision: Generative Action Policies for Spatial Understanding."
Dec 2, 2025	University of California San Diego. Invited Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Sep 11, 2025	KAIST. Metaverse Program Colloquium. Colloquium Speaker. "콘텐츠 생성 모델의 현재와 미래."
Aug 27, 2025	KAIST. AI Transformation Workshop. Invited Speaker. "콘텐츠 생성 모델의 현재와 미래."
Aug 15, 2025	Simon Fraser University. Invited Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Aug 12, 2025	SIGGRAPH 2025. Tutorial Speaker. "Diffusion-Based Image/Video Generation."
Aug 7, 2025	Stanford University. Invited Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Aug 6, 2025	Google. Invited Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Aug 4, 2025	NVIDIA. Invited Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Jul 3–4, 2025	MLSS-Senegal 2025. Tutorial Speaker. "Diffusion Models."
Jul 4, 2025	SW StarLab Alumni-Student Collaboration Workshop. Tutorial Speaker. "이미지/비디오 생성 모델의 현재와 미래."
Jul 1, 2025	Intel AI Summit Seoul 2025. Panelist. "Shaping a Responsible and Sustainable AI Ecosystem."
Jun 4, 2025	Gyeonggi Science High School. Invited Speaker. "생성 모델의 현재와 미래."
May 19, 2025	KAIST. Software Graduate Program/KTAI. Colloquium Speaker. "이미지/비디오 생성 기술의 현재와 미래."
Apr 25, 2025	Nanyang Technological University. Invited Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Apr 20, 2025	Computational Visual Media Conference 2025. Keynote Speaker. "Inference-Time Guided Generation Using Diffusion and Flow Models."
Feb 28, 2025	Asiagraphics Workshop on Intelligent Graphics. Speaker. "Guidance in the Generative Process of Diffusion Models."
Dec 9, 2024	The University of Tokyo. Invited Speaker. "Visual Content Generation with Image Diffusion Models: From Distillation to Diffusion Synchronization."
Dec 4, 2024	SIGGRAPH Asia 2024. K-BOF Speaker. "Visual Content Generation Using Diffusion Models."
Dec 2, 2024	SIGGRAPH Asia 2024. Pre-Conference Workshop Speaker. "Visual Content Generation Using Diffusion Models."
Jul 30, 2024	SIGGRAPH 2024. Tutorial Speaker. "Diffusion Models for Visual Content Generation."
Jul 23, 2024	Adobe Research. Invited Speaker. "Visual Content Generation with Image Diffusion Models: From Distillation to Diffusion Synchronization."
Jul 22, 2024	Stanford University. Invited Speaker. "Visual Content Generation with Image Diffusion Models: From Distillation to Diffusion Synchronization."
Jun 18, 2024	CVPR 2024 Workshop on Compositional 3D Vision. Invited Speaker.
May 2, 2024	École Polytechnique. Invited Speaker. "Visual Content Generation with Image Diffusion Models: From Distillation to Diffusion Synchronization."
Apr 22, 2024	Eurographics 2024. Tutorial Speaker. "Diffusion Models for Visual Computing."
Apr 19, 2024	ETH Zürich. Invited Speaker. "Visual Content Generation with Image Diffusion Models: From Distillation to Diffusion Synchronization."

Apr 17, 2024	Technical University of Munich. Invited Speaker. "Visual Content Generation with Image Diffusion Models: From Distillation to Diffusion Synchronization."
Jan 31, 2024	KAIST. AI-X Workshop. Invited Speaker. "3D Generation and Manipulation via 2D Priors Distillation."
Jan 4, 2024	POSTECH. Invited Speaker. "Moving Beyond 3D Generation to Editing with Image Diffusion Priors."
Dec 8, 2023	NVIDIA. Invited Speaker. "Moving Beyond 3D Generation to Editing with Image Diffusion Priors."
Oct 11, 2023	Pacific Graphics 2023. Tutorial Speaker. "3D Generation via 2D Priors and Neural Rendering: Recent Advances, Limitations, and Future Directions."
Oct 3, 2023	Adobe Research Paris. Invited Speaker. "Towards Shape Editability and Multi-View Consistency in 3D Generation."
Sep 29, 2023	University College London. Invited Speaker. "Towards Shape Editability and Multi-View Consistency in 3D Generation."
Sep 7, 2023	KAIST. Metaverse Program Colloquium. Colloquium Speaker. "3D Generation via 2D Priors and Neural Rendering: Recent Advances, Limitations, and Future Directions."
Jul 28, 2023	Samsung Advanced Institute of Technology. Invited Speaker. "3D Generation via 2D Priors and Neural Rendering: Recent Advances, Limitations, and Future Directions."
Jul 17, 2023	Korea AI Association Conference. Tutorial Speaker. "3D Generation via 2D Priors and Neural Rendering: Recent Advances, Limitations, and Future Directions."
Jul 11, 2023	Ontact Health. Invited Speaker. "Neural Rendering and 3D Generative Models."
Jun 16, 2023	Osstem Implant. Invited Speaker. "Neural Rendering and 3D Generative Models."
Jun 2, 2023	POSTECH CSE/GSAI. Colloquium Speaker. "Text-to-3D Generation, Manipulation, and Analysis."
Nov 25, 2022	KIST. Invited Speaker. "Language-Driven 3D Shape Analysis and Manipulation."
Nov 25, 2022	KAIST. Kim Jaechul Graduate School of AI. Colloquium Speaker. "Language-Driven 3D Shape Analysis and Manipulation."
Nov 2, 2022	KAIST. School of Computing Career Concert. Speaker. "Keep your eyes on the stars, and your feet on the ground."
Aug 24, 2022	Chunbuk Science High School. Invited Speaker. "Machine Learning for 3D/Geometry."
Aug 12, 2022	Simon Fraser University. Invited Speaker. "Language-Driven Shape Analysis and Manipulation."
Jul 27, 2022	KAUST. Invited Speaker. "Language-Driven Shape Analysis and Manipulation."
Jul 22, 2022	ICME Workshop on 3D Multimedia Analytics, Search and Generation. Keynote Speaker. "Language-Driven Shape Analysis and Manipulation."
Jul 12, 2022	KCGS 2022. Tutorial Speaker. "Introduction to Neural Rendering."
Jun 30, 2022	KCC 2022. Invited Speaker. "Learning to Discover 3D Structure."
Jun 17, 2022	Stanford University. Invited Speaker. "Language-Driven Shape Analysis and Manipulation."
Apr 28, 2022	Samsung Display. Invited Speaker. "Neural Rendering and Beyond."
Mar 10, 2022	KAIST. The First Wednesday Multidisciplinary Forum. Invited Speaker. "AI-powered digital twin creation and manipulation."
Feb 22, 2022	Asiagraphics. Webinar Speaker. "Discovering the Compositional Structure in 3D Shapes – From Supervised to Unsupervised Learning."
Dec 23–24, 2021	Daewoo Shipbuilding & Marine Engineering. Tutorial Speaker. "3D Deep Learning."
Oct 12, 2021	Samsung Electronics. Manufacturing Technology Center. Invited Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Oct 6, 2021	Korea University. School of Biomedical Engineering. Colloquium Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Sep 23, 2021	GIST. School of Integrated Technology. Colloquium Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Jul 7, 2021	KCGS 2021. Tutorial Speaker. "Learning to Deform: 3D Content Creation via Mesh Deformation."
Jul 2, 2021	Korea Foundation for Advanced Studies (KFAS). Knowledge Festival All Seasons, Summer 2021. Speaker, Early-Career Scholars Session.
May 10, 2021	KAIST. School of Computing. Colloquium Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."

Apr 8, 2021	KAIST. Software Graduate Program. Colloquium Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Feb 19, 2021	Korean Computer Vision Society. Computer Vision Researcher Forum Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Jan 22, 2021	KAIST. Graduate School of Culture Technology. Colloquium Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Jan 20, 2021	Kakao Brain. Invited Speaker. "3D Deep Learning – Toward Learning the Compositional Structure in 3D Shapes."
Spring 2018	Stanford University. CS233: Geometric and Topological Data Analysis. Guest Lecturer.