

BYEONGJOO AHN

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RESEARCH INTERESTS

Computer Vision · Computer Graphics · Computational Imaging
Generative models and representations for image, video, audio, and 3D content

EDUCATION

Carnegie Mellon University	Pittsburgh, PA
PhD, Electrical and Computer Engineering	2017–2023
Advisors: Aswin C. Sankaranarayanan and Ioannis Gkioulekas	
Thesis: Full-surround 3D Reconstruction using Kaleidoscopes	
Committee: Aswin C. Sankaranarayanan, Ioannis Gkioulekas, Manmohan Chandraker, Shree K. Nayar	
Seoul National University	Seoul, Korea
MS, Electrical Engineering and Computer Science	2012–2014
Advisor: Kyoung Mu Lee	
Thesis: Occlusion-Aware Motion Deblurring for Bilayer Scenes	
<i>Outstanding Thesis Award</i>	
Seoul National University	Seoul, Korea
BS, Electrical and Computer Engineering	2008–2012
<i>Summa Cum Laude</i>	

PROFESSIONAL EXPERIENCE

Apple	Seattle, WA
Research Scientist	Jan 2024–Present
Research Intern with Jen-Hao Rick Chang and Karren Yang	Jan 2023–Sep 2023
Snap Inc.	(remote) New York, NY
Research Intern with Shree K. Nayar and Jian Wang	May 2020–Aug 2020
Korea Institute of Science and Technology	Seoul, Korea
Research Scientist	Mar 2014–Aug 2017

PROFESSIONAL ACTIVITIES

Area Chair , CVPR (2026)	
Area Chair , ICML (2025)	
Area Chair , NeurIPS (2024, 2025)	
Program Committee , ICCP (2023, 2024, 2025)	
Reviewer , CVPR (2019–2025) · ICCV (2019–2025) · ECCV (2020, 2024) · BMVC (2019) · ICLR (2022) · NeurIPS (2022–2023) · SIGGRAPH (2022) · SIGGRAPH Asia (2023) · TIP (2022) · TCI (2024)	

SELECTED PUBLICATIONS

Novel-view Acoustic Synthesis From 3D Reconstructed Rooms

Byeongjoo Ahn, Karren Yang, Brian Hamilton, Jonathan Sheaffer, Anurag Ranjan, Miguel Sarabia, Oncel Tuzel, Jen-Hao Rick Chang
Interspeech, 2024

Neural Kaleidoscopic Space Sculpting

Byeongjoo Ahn, Michael De Zeeuw, Ioannis Gkioulekas, Aswin C. Sankaranarayanan
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023

Kaleidoscopic Structured Light

Byeongjoo Ahn, Ioannis Gkioulekas, Aswin C. Sankaranarayanan
ACM Transactions on Graphics (Proc. SIGGRAPH Asia), 2021

Convolutional Approximations to the General Non-Line-of-Sight Imaging Operator

Byeongjoo Ahn, Akshat Dave, Ashok Veeraraghavan, Ioannis Gkioulekas, Aswin C. Sankaranarayanan
IEEE/CVF International Conference on Computer Vision (ICCV), 2019 (Oral)

Reduced Illumination Patterns for Acquisition of Specular and Diffuse Normal Maps

Byeongjoo Ahn, Junghyun Cho, Taekyung Yoo, Ig-Jae Kim
ACM SIGGRAPH Asia Posters, 2016

Dynamic Scene Deblurring

Tae Hyun Kim, Byeongjoo Ahn, Kyoung Mu Lee
IEEE International Conference on Computer Vision (ICCV), 2013

AWARDS AND HONORS

Top Area Chair, NeurIPS	2025
Top Reviewer, NeurIPS	2022
Doctoral Study Abroad Scholarship, Korea Foundation for Advanced Studies (KFAS)	2017
Fulbright Graduate Study Award (respectfully declined), Fulbright	2017
Outstanding Thesis Award, Department of EECS, Seoul National University	2014
Honorable Mention Award, Samsung Humantech Paper Award	2014
Graduate Scholarship, Kwanjeong Educational Foundation	2012
Presidential Science Scholarship, Korea Student Aid Foundation	2008
Gold Medal, Korean Physics Olympiad	2006

INVITED TALKS

3D from Interreflections: Can Noise Become Information?

2025

KIST · Korea University · Chung-Ang University

Kaleidoscopic Imaging for Full-surround 3D Reconstruction

2022–2023

Meta Reality Labs · Seoul National University · KIST · Connective AI Workshop

Last updated: Jan 6, 2026