Minsu Cho

Position

Mu-Eun-Jae Endowed Chair Professor
Department of Computer Science and Engineering
Graduate School of Artificial Intelligence
Pohang University of Science and Technology (POSTECH)

Contact Information

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Citizenship

The Republic of Korea

Research Interests

Computer vision and machine learning, in particular, the problems of relational computer vision: visual correspondence, 3D shape matching/assembly, symmetry detection/segmentation, object/category discovery, video action recognition/anticipation, minimally-supervised learning, structural representation learning, and equivariant learning.

Education

Seoul National University, Seoul, Korea

Ph.D, Dept. of Electrical Engineering and Computer Science **Mar 2005 – Feb 2012**

- Thesis: Graph-based Image Matching via Random Walks
- Advisor: Prof. Kyoung Mu Lee

B.S., Department of Electrical Engineering **Mar 1997 – Aug 2001**

Research Experience

POSTECH, Korea
Mu-Eun-Jae Endowed Chair Professor **Dec 2024 – now**

Dep. of Computer Science and Engineering, POSTECH, Korea
Tenured Full Professor **Mar 2026 – now**

Dep. of Computer Science and Engineering, POSTECH, Korea
Associate Professor **Mar 2020 – Feb 2026**

Google Research, France
Visiting Faculty Researcher hosted by Dr. Cordelia Schmid **Oct 2022 – April 2023**

Dep. of Computer Science and Engineering, POSTECH, Korea
Assistant Professor **Aug 2016 – Feb 2020**

Inria - WILLOW team / École Normale Supérieure, France
Inria Starting Researcher **Jun 2015 – Aug 2016**

Postdoctoral Research Fellow hosted by Prof. Jean Ponce **Jun 2012 – May 2015**

Professional Activities

Organizers of international conferences
Program Chair of Asian Conference on Computer Vision (ACCV) 2024, Hanoi, Vietnam
Organizer of Tool-Augmented Vision (TAVI) Workshop at CVPR 2024, Seattle, USA
Workshop Chair of International Conference on Computer Vision (ICCV) 2023, Paris, France
Program Chair of Machine Vision Applications (MVA) 2021, Nagoya, Japan

Web chair of International Conference on Computer Vision (ICCV) 2019, Seoul, Korea
Web chair of ACM Multimedia (ACM MM) 2018, Seoul, Korea

Area chair of international conferences
Computer Vision and Pattern Recognition (CVPR) 2018, 2020, 2021, 2022, 2023, 2024 (Senior), 2025 (Senior), 2026
International Conference on Computer Vision (ICCV) 2019, 2021, 2023, 2025 (Lead)
European Conference on Computer Vision (ECCV) 2024
International Conference on Learning Representations (ICLR) 2025, 2026
International Conference on Machine Learning (ICML) 2026
Conference on Neural Information Processing Systems (NeurIPS) 2022, 2023, 2024, 2025
NeurIPS Dataset and Benchmark Track 2022, 2024
International Conference on 3D Vision 2025 (3DV) 2026
International Joint Conference on Artificial Intelligence (IJCAI) 2021
Asian Conference on Computer Vision (ACCV) 2018, 2026
IEEE Winter Conference on Applications of Computer Vision (WACV) 2018, 2023
British Machine Vision Conference (BMVC) 2021
International Conference on Pattern Recognition (ICPR) 2020, 2022
Machine Vision Applications (MVA) 2023
AAAI Conference on Artificial Intelligence (AAAI) 2021, 2022
International Joint Conference on Artificial Intelligence (IJCAI-PRICAI) 2020

Editorial board member of international journals
Associate Editor of the IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) 2023-
Associate Editor of the International Journal on Computer Vision (IJCV) 2019-
Guest Editor of the Special Issue on "Advances in Visual Correspondence", Pattern Recognition Letters (PRL) 2018.

Reviewer of international conferences
Computer Vision and Pattern Recognition (CVPR) 2010-2019
European Conference on Computer Vision (ECCV) 2012-2022
International Conference on Computer Vision (ICCV) 2011-2017
International Conference on Machine Learning (ICML) 2019-2022
International Conference on Learning Representations (ICLR) 2019-2023
Neural Information Processing Systems (NeurIPS) 2018-2022
Asian Conference on Computer Vision (ACCV) 2014
British Machine Vision Conference (BMVC) 2015
IEEE Winter Conference on Applications of Computer Vision (WACV) 2026

Reviewer of international journals
Transactions on Pattern Analysis and Machine Intelligence (TPAMI) 2011-2022
International Journal of Computer Vision (IJCV) 2014-2021
Computer Vision and Image Understanding (CVIU) 2014-2016
Pattern Recognition Letters (PRL) 2018

Organizers of domestic conferences
Program Chair of Korean Conference on Computer Vision (KCCV) 2024, Busan, Korea
Program committee of Image Processing and Image Understanding (IPIU) 2019, 2022, 2024
Program committee of Korean Conference on Computer Vision (KCCV) 2017, 2019, 2022, 2023

Industry Experience

Netdus Co.,Ltd., Seoul, Korea
Software R&D Engineer **Jan 2001 – Dec 2004**

Honours and Awards

Mu-Eun-Jae Endowed Chair Professor (2024)

- Awarded to distinguished young faculty members with outstanding achievements in research and academic leadership.

KCCV Sang Uk Lee Prize at Korean Conference on Computer Vision (KCCV) 2024

- Test-of-time award to our CVPR 2019 paper, Relation Knowledge Distillation

POSTECH CSE Award 2022

- Awarded annually to a faculty member of CSE with research excellence

Member of the Young Korean Academy of Science and Technology (Y-KAST) 2021

- Y-KAST is a group of excellent young scientists in Korea, selected and organized by KAST, the prestigious academic organization comprised of Korea's leading science and technology scholars. .

Proud POSTECHIAN Award in Education 2019

- Awarded annually to a faculty member of POSTECH with education excellence

The challenge winner at CoVieW'19 workshop and challenge, IEEE CVF ICCV 2019

- 2nd place at the Challenge on Comprehensive Video Understanding in the Wild
- Awarded to the best algorithm on video summarization

The challenge winner at CoVieW'18 workshop and challenge, ACM Multimedia 2018

- 1st place at the Challenge on Comprehensive Video Understanding in the Wild
- Awarded to the best algorithm on multi-task action and scene recognition

Collaborative Research Grant Awards, Microsoft Research Asia, 2018

- Awarded to faculty members in Asia for collaboration with MSRA researchers.

Competition winner in rotational symmetry, Symmetry Detection Workshop, CVPR 2011

- Granted on 24th June 2011 by Symmetry Detection Workshop in IEEE CVPR conference
- Awarded to the best algorithm on symmetry detection from real world images

Best research award, SNU BrainKorea21, 2011

- Granted on 12th Sept 2011 by Seoul National University
- Awarded to the year's excellent Ph.D. students in research

Best presentation prize, International Computer Vision Summer School (ICVSS), 2010

- Granted on 16th June 2010 by International Computer Vision Summer School
- Awarded to the year's best research presented in the international summer school in Italy

6 Awards in Samsung Humantech Thesis Prize, Samsung Electronics, 2008 - 2012

- Awarded to the year's most prominent researches in 5 fields
  - Gold Prize and Bronze Prize in Signal Processing, 2012
  - Silver Prize in Computer Science & Computer Engineering, 2011
  - Silver Prize in Computer Science & Computer Engineering, 2010
  - Bronze Prize in Signal Processing, 2009
  - Gold Prize in Signal Processing, 2008

International Publications

~150 scientific publications on top-tier venues in computer vision and machine learning, including CVPR, ECCV, ICCV, NeurIPS, ICML, ICLR, and TPAMI.

* All the papers are available from **my Google Scholar profile**[1] as well as my website http://cvlab.postech.ac.kr/~mcho.

[1] See my profile at: http://scholar.google.com/citations?user=5TyoF5QAAAAJ