

Hiroyasu Akada

Email: hakada@mpi-inf.mpg.de

EDUCATION

Max Planck Institute for Informatics

Ph.D. in Computer Science

Saarbrücken, Germany

September 2022 - Present

Keio University

Master of Science in Engineering

Cumulative GPA: 4.00/4.00

Kanagawa, Japan

April 2018 - September 2022

University of California, Berkeley, Haas School of Business

Berkeley Haas Global Access Program, Entrepreneurship

Cumulative GPA: 3.49/4.00

Berkeley, CA, USA

August 2018 - May 2019

Keio University

Bachelor of Engineering

Cumulative GPA: 3.68/4.00

Kanagawa, Japan

April 2014 - March 2018

CURRENT RESEARCH INTEREST

Computer Vision, Deep Learning, Egocentric 3D Human Pose Estimation, 3D Reconstruction

PUBLICATIONS

1. ***Hiroyasu Akada**, Jian Wang, Soshi Shimada, Masaki Takahashi, Christian Theobalt, Vladislav Golyanik, "UnrealEgo: A New Dataset for Robust Egocentric 3D Human Motion Capture", *European Conference on Computer Vision (ECCV) 2022*
2. ***Hiroyasu Akada**, Shariq Farooq Bhat, Ibraheem Alhashim, Peter Wonka, "Self-Supervised Learning of Domain Invariant Features for Depth Estimation", *Winter Conference on Applications of Computer Vision (WACV) 2022*
3. ***Hiroyasu Akada**, Masaki Takahashi. "Dynamic Object Removal from Unpaired Images for Autonomous Agricultural Robots", *16th International Conference on Intelligent Autonomous Systems, 2021*
4. *Kohei Terashima, **Hiroyasu Akada**, Yuriko Kobayashi, Haruki Sato, Toshiharu Ikaga. "An Example of Cluster Energy Management System in Aging Society", *Proceedings of Grand Renewable Energy, P310-313, 2018*

PRESENTATIONS

1. **European Conference on Computer Vision (ECCV) 2022** Tel Aviv, Israel
Poster presentation: "UnrealEgo: A New Dataset for Robust Egocentric 3D Human Motion Capture"
2. **Winter Conference on Applications of Computer Vision (WACV) 2022** Hawaii, USA
Poster presentation: "Self-Supervised Learning of Domain Invariant Features for Depth Estimation"
3. **16th International Conference on Intelligent Autonomous System (IAS-16) 2021** Singapore
Poster presentation: "Dynamic Object Removal from Unpaired Images for Autonomous Agricultural Robots"
4. **20th Annual Keio Science and Technology Exhibition - Keio Techno-Mall 2019** Tokyo, Japan
Poster presentation: "Demonstration of Smart Farming System Using Agricultural Robot Supporting Farmers"
5. **Grand Renewable Energy 2018 International Conference and Exhibition 2018** Yokohama, Japan
Co-author: "An Example of Cluster Energy Management System in Aging Society"

SCHOLARSHIPS

Nakajima Foundation Scholarship

2022 – 2024 (2027) Expected

- 2-year financial support for PhD study with a possible extension of maximum 5 years
 - Stipend of 200,000 Japanese Yen per month (around 1,300 Euro per month)
 - Tuition fee of up to 3,000,000 Japanese Yen per year (around 22,000 Euro per year)
 - One-off payment of 500,000 Japanese Yen (around 3,500 Euro)

CREST Research Fellowship

September 2021 - September 2022

- Scholarship for my research visit to MPI-INF

Japan Student Services Organization Scholarship

April 2018 - September 2022

- Scholarship based on academic records in undergraduate and graduate years

TOBITATE scholarship

August 2018 - August 2019

- Scholarship for studying abroad based on academic records and extracurricular activities

SKILL & CERTIFICATION

Language:

Japanese (Native)

English (Fluent - IELTS: 7.5 / GRE: V 155, Q 170, AW 4.0)

Chinese (Conversational - HSK rank 4: 270/300)

Programming Languages:

Python (Advanced)

C++ (Intermediate)

Java (Intermediate)

MATLAB (Basic)

Working knowledge:

CUDA, PyTorch, Keras, Tensorflow, OpenCV, OpenGL, Docker, Git, LATEX

Unreal Engine, Blender, Robot Operating System, etc.

WORK EXPERIENCE

Tencent America

Palo Alto, CA, USA

Market Research Intern in Business Development Department

July 2019 - August 2019

- Investigated the international game market and key technologies on VR/AR

COMMUNITY SERVICE

International Student Volunteer Group RUIKE

Tokyo, Japan / Kathmandu, Nepal

Public Relation Manager

April 2014 - July 2018

- Volunteer work for children in Nepal for over 400 hours
- Expanded local schools with the International Support Association of School Construction (NPO)
- Managed street fundraising, crowdfunding, and event donation for school expansion (\$20,000+)
- Offered online classes to children after the collapse of the schools due to the Nepal Earthquake of 2015

EXTRACURRICULAR ACTIVITIES

Alumni Association of Keio University "Mitakai" in San Francisco

San Francisco, CA, USA

Executive Committee Member

April 2019 - March 2020

- The youngest board member in the group of 200+ alumni
- Organized activities including general assembly, business incubation, etc.