Masashi HATANO

PhD Student at Keio Univ.

Email / Website

I am pursuing my second year as a PhD candidate at Keio University under the guidance of Prof. Hideo Saito. From May 2024, I am working with Prof. Dima Damen at the university of Bristol as visiting PhD student. My research is primarily focused on the analysis and comprehension of human behavior and environmental interactions within egocentric perspectives. This field intrigues me due to its vast potential applications, ranging from the development of wearable technology like smart glasses to the advancement of assistive robotic systems. My academic journey is driven by a deep-seated passion for exploring and innovating within this domain.

Education

Keio University, Yokohama, Japan   **2023 - Present**
PhD in Computer Science

Keio University, Yokohama, Japan   **2021 - 2023**
MS in Computer Science

CentraleSupélec, Gif-sur-Yvette, France   **2019 - 2021**
Diplôme d'Ingénieur

Keio University, Yokohama, Japan   **2017 - 2019**
Bachelor of Science in Engineering

Publications

- ❑ **Masashi Hatano**, Ryo Hachiuma, Ryo Fujii, and Hideo Saito, "Multimodal Cross-Domain Few-Shot Learning for Egocentric Action Recognition", In Proceedings of the 18th European Conference on Computer Vision (ECCV 2024)
- ❑ Ryo Fujii, **Masashi Hatano**, Hideo Saito, and Hiroki Kajita, "EgoSurgery-Phase: A Dataset of Surgical Phase Recognition from Egocentric Open Surgery Videos", In Proceedings of the 27th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2024), early acceptance (top 11%)
- ❑ **Masashi Hatano**, Ryo Hachiuma, and Hideo Saito, "EMAG: Ego-motion Aware and Generalizable 2D Hand Forecasting from Egocentric Videos", In Proceedings of the 18the European Conference on Computer Vision Workshops (ECCVW 2024), 8th International Workshop on Observing and Understanding Hands in Action
- ❑ **Masashi Hatano**, Ryo Hachiuma, and Hideo Saito, "Trajectory Prediction in First-Person Video: Utilizing a Pre-Trained Bird's-Eye View Model", In Proceedings of the 18th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISAPP 2023)

Awards and Honors

- ❖ Ego4D Future Hand Prediction Challenge 2nd Place Award (2,000 USD), IEEE/CVF European Conference on Computer Vision (ECCV 2022)

Grants and Fellowships

- JST BOOST, 2024 - 2026
- JSPS Overseas Challenge Program for Young Researchers, 2024
- Amano Institute of Technology Scholarships for Doctoral Programs in Graduate Schools, 2023 - 2026
- KLL Master's Program Research Grant, 2022
- Keio International Human Resource Development Funds for Study Abroad, 2019 - 2020
- JASSO Study Abroad Support Program (Dispatch Agreement), 2019

Conferences

- MICCAI, Marrakesh, Morocco, 2024
- ECCV, Milano, Italy, 2024
- VISAPP, Lisbon, Portugal, 2023
- ECCV, Tel-Aviv, Israel, 2022

Languages

- Japanese (C2)
- English   (C1)
- French   (B2)