

# Masashi HATANO

PhD Student at Keio Univ.

[Email](#) / [Website](#)

I am pursuing my third year as a PhD candidate at Keio University under the guidance of Prof. Hideo Saito. I visited the university of Bristol as visiting PhD student during 2024.5 and 2025.5 and continue working with Prof. Dima Damen. My research is primarily focused on human action and motion understanding/forecasting 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.

## Education

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<b>Keio University, Yokohama, Japan</b> PhD in Computer Science	<b>2023 - Present</b>
<b>Keio University, Yokohama, Japan</b> MS in Computer Science	<b>2021 - 2023</b>
<b>CentraleSupélec, Gif-sur-Yvette, France</b> Diplôme d'Ingénieur	<b>2019 - 2021</b>
<b>Keio University, Yokohama, Japan</b> Bachelor of Science in Engineering	<b>2017 - 2019</b>

## Publications

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- **Masashi Hatano\***, Saptarshi Sinha\*, Jacob Chalk, Wei-Hong Li, Hideo Saito, and Dima Damen, “Prime and Reach: Synthesising Body Motion for Gaze-Primed Object Reach”, Arxiv, 2025
- **Masashi Hatano**, Zhifan Zhu, Hideo Satio, and Dima Damen, “The Invisible EgoHand: 3D Hand Forecasting through EgoBody Pose Estimation”, Arxiv, 2025
- Wataru Ikeda, **Masashi Hatano**, Ryosei Hara, and Mariko Isogawa, “Event-based Egocentric Human Pose Estimation in Dynamic Environment”, In Proceedings of the IEEE International Conference on Image Processing (ICIP), 2025
- Ryosei Hara, Wataru Ikeda, **Masashi Hatano**, and Mariko Isogawa, “EventEgoHands: Event-based Egocentric 3D Hand Mesh Reconstruction”, In Proceedings of the IEEE International Conference on Image Processing (ICIP), 2025
- Momoe Yamane, Akimasa Kondo, **Masashi Hatano**, Ryosuke Hori, and Hideo Saito, “Occlusion Free Multi-Object Tracking Extension using Multi-Camera for Sports”, In Proceedings of the 7th ACM International Workshop on Multimedia Content Analysis in Sports (MMSports), 2024
- **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 18th European Conference on Computer Vision (ECCV) Workshops, 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

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- ❖ JST ASPIRE Kyoto Workshop Poster Presentation Award (2025.7)
- ❖ Ego4D Future Hand Prediction Challenge 2nd Place Award (2022.10)

## Grants and Scholarships

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- JST BOOST, 2024.4 – 2026.3
- JSPS Overseas Challenge Program for Young Researchers, 2024
- Amano Institute of Technology Scholarships for Doctoral Programs in Graduate Schools, 2023.4 – 2026.3
- 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

## Invited Talks

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- Multimodal Cross-Domain Few-Shot Learning for Egocentric Action Recognition @ MIRU 2025
- Multimodal Cross-Domain Few-Shot Learning for Egocentric Action Recognition @ VGG, University of Oxford
- Multimodal Cross-Domain Few-Shot Learning for Egocentric Action Recognition @ MaVi, University of Bristol

## Reviewer

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### Conference Reviewer

- 3DV 2026
- ICCV 2025
- CVPR 2025, 2026

### Journal Reviewer

- International Journal of Computer Vision (IJCV)

## Conferences

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- ICVSS, Sicily, Italy, 2025
- MICCAI, Marrakesh, Morocco, 2024
- ECCV, Milano, Italy, 2024
- VISAPP, Lisbon, Portugal, 2023
- ECCV, Tel-Aviv, Israel, 2022

## Languages

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