Curriculum Vitae

Yuki M. Asano

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RESEARCH INTERESTS

computer vision, self-supervised learning, vision-language models, large model adaptation methods, LLMs

PROFESSIONAL EXPERIENCE

University of Technology Nuremberg: Full Professor, Head of Fundamental AI Lab — Since Oct. 2024
- Teaching for MSc in AI & Robotics: Multimodal Foundation Models

University of Amsterdam: Assistant Professor — Oct. 2021- Oct. 2024
- Head of Qualcomm-UvA Lab
- Teaching for MSc in AI: Deep Learning 1 & Vision-Language Learning courses

Qualcomm AI: External Machine Learning Consultant — Since May 2023
Facebook AI Research: Intern & Contractor; Host: A. Joulin — Jun. 2020 – Feb. 2021
TransferWise: Machine Learning Intern & Contractor — Mar 2017 – Jan. 2019
Rakuten: Cloud Infrastructure Engineering Intern — Aug. 2015 – Sep. 2015
Siements Technology Accelerator: Working student — Apr. 2015 – Aug. 2015
180 Degrees Consulting Munich e.V.: President & Founder of NGO — Dec. 2016 – Jun. 2017
SOS Children's villages International: Project lead — Mar 2017 – Jun. 2017
McKinsey & Company: Fellow Intern — Apr. 2015 – Aug. 2015

EDUCATION

University of Oxford — Oxford, UK
DPhil in Autonomous Intelligent Machines and Systems @ Visual Geometry Group (VGG) — *Oct. 2017 – Sep. 2021*
- Supervisor: Andrea Vedaldi; Examiners: Philip Torr, Phillip Isola
- Result: *'no corrections'* (highest award possible)

University of Oxford — Oxford, UK
MSc Mathematical Modelling and Scientific Computing (overall: Pass, thesis: Distinction) — *Oct. 2015 – Sep. 2016*
- Thesis research at the Institute for New Economic Thinking

University of Hagen — Hagen, Germany
BSc Business Administration and Economics (overall: 1.4, GPA = 3.6/4) — *Oct. 2012 – Aug. 2017*
- Thesis research at the Potsdam Institute for Climate Impact Research

Ludwig Maximilian University of Munich — Munich, Germany
BSc. Physics (overall: 1.2, GPA = 3.8/4) — *Oct. 2011 – Sep. 2014*
- Exchange at the University of Tokyo (Oct. 2013 – Mar. 2014)

Teaching

10/2024: Multimodal Foundation Models(MSc in AI & Robotics, 6 ECTS)
        10 students, ongoing
11/2023: Deep Learning 1(MSc in AI, 6 ECTS, https://uvadlc.github.io/)
        220 students, Overall student feedback: 88.1% "(very) satisfied"; score: 4.4 ± 0.9 out of 5
04/2023: Self-supervised and Vision-Language Learning (MSc in AI, 2 ECTS, https://uvadl2c.github.io/)
        80 students, Overall student feedback: 87.0% (very) satisfied; score: 4.3 ± 0.8 out of 5
11/2022: Deep Learning 1(MSc in AI, 6 ECTS, https://uvadlc.github.io/)
        200 students, Overall student feedback: 92.1% "(very) satisfied"; score: 4.5 ± 0.7 out of 5

Teaching Assistant / Practicals
10/19 – 01/21, Deep Learning and Machine Vision for AIMS cohort 2019, 2020 (Andrew Zisserman, Andrea Vedaldi)
01/20 – 01/20, Multiple View Geometry (Victor Adrian Prisacariu, Andrew Zisserman)
01/20 – 03/20, Design and Analysis of Algorithms (Daniel Kroening)
10/19 – 12/19, Machine Learning at CS Dept. (Phil Blunsom, Ani Calinescu)
01/18 – 03/18, Mathematics and Data Science for Development (Neave O'Cleary)
Other Tutorials
01/2019 Introduction to (Deep) NLP at the Oxford Institute for New Economic Thinking
07/2018 Introduction to Machine Learning at Santa Fe Institute Complex Systems Summer School
07/2018 Introduction to CNNs and RNNs at Santa Fe Institute Complex Systems Summer School

Supervision

ongoing (PhD):
University of Technology Nuremberg
   PhD, Jona Ruthardt
   PhD, Dawid Kopiczko
   PhD, Dheeraj Varghese
   PhD, Valentinos Pariza
   PhD, Lukas Knobel with Andrew Zisserman
University of Amsterdam
   PhD, Danilo de Goede with Cees Snoek
   PhD, Laurens Samson with Sennay Ghebreab
   PhD, Michael Dorkenwald with Cees Snoek
   PhD, Mohammadreza Salehidehnavi with Cees Snoek and Efstratios Gavves
   PhD, Pengwan Yang with Cees Snoek
   PhD, Winfried van den Dool with Max Welling
   PhD, Rob Romijnders with Max Welling
   PhD, Phillip Lippe with Efrstatios Gavves, Taco Cohen, Sara Magliacane
   PhD, Ivona Najdenkoska with Marcel Worring
2024:
   MSc thesis, Jona Ruthardt
   MSc thesis, Dawid Kopiczko [ICLR'24 paper]
   MSc thesis, Dheeraj Varghese
   MSc thesis, Gabriele Desimini
   MSc thesis, Gergely Papp
   MSc thesis, Nimi Barazani [CVPR'24 paper]
   MSc thesis, Ioanna Gogou
   MSc thesis, Ryan Amaudruz
   MSc thesis, Valentinos Pariza
   MSc thesis, Joost van Dalen
   MSc thesis, Walter Simoncini [NeurIPS'24 paper]
   MSc project, Marga Don [ECCV'24 workshop paper]
2023:
   MSc thesis, Lukas Knobel [CVPR'24 paper]
   MSc thesis, Apostolos Panagiotopoulos [GCPR'24 paper]
   MSc thesis, Alfonso Taboada [GCPR'24 paper]
   MSc thesis, Luc Weytingh [Rotterdam Nieuwe Instituut Art Exhibition]
   MSc thesis, Kaya ter Burg
   MSc thesis, Sunny Soni [CVPR'24 workshop paper]

2022:
  MSc thesis, Jochem Loedeman [BMVC'24 paper & Best Poster Award]
  MSc thesis, Anton Kozackov
  BSc thesis, Anne van der Weijden
  BSc thesis, Philip de Wolf
  OxAI interdisciplinary team on de-biasing in NLP [ACL'22 workshop paper]
2021:
  MSc thesis, Adrian Ziegler, TUM (top-grade), [CVPR'22 paper]
  OxAI interdisciplinary team on investigating bias in computer vision [ICLR'21 workshop paper]
  OxAI interdisciplinary team on investigating hateful memes [ACL'21 workshop paper]
  OxAI interdisciplinary team on investigating bias in NLP [NeurIPS'21 paper]
2020:
  MSc thesis, Carlos Roberto Medina Temme, EPFL [top-grade]
  OxAI interdisciplinary team working with Ada Lovelace Institute

Awards and funding

2024 "Best Poster Award" at BMVC'24
2024 "Best paper honorable mention" at ICLR'24 (i.e. in the top 15 out of 7000 submissions/ 2300 papers)
2022 "Best lecture" award at VISUM summer school
2021 Awarded ELLIS membership
     2x Google Academic Research Credits Program (PI, Co-PI), USD2K
2020 AWS Machine Learning Research Award (Co-PI with Christian Rupprecht and Andrea Vedaldi), USD80K
     Qualcomm Innovation Fellowship Winner 2020 (PI), USD40K
2019 International Computer Vision Summer School: best team essay on assistive technology
2018 Edgell Sheppee Fund from Engineering Science Dept., Oxford
     Balliol College Graduate Project Grant
2017 Full PhD funding by the Engineering and Physical Sciences Research Council, 1 successful EU applicant per year
     Open Data Science Conference East Scholarship
2016 Brasenose College Annual Fund
2015 MSc bursary of the University of Oxford Mathematical Institute for best applicants
     National Academic Foundation study abroad scholarship for studying at Oxford
2014 Ministry of Science in Japan scholarship, awarded to <1% of international undergraduate students
     DAAD, German Academic Exchange Service scholarship for studying at the University of Tokyo
     National Academic Foundation scholarship, for outstanding academic achievement, awarded to <0.4% of students
2013 Max Weber scholarship (elite network Bavaria), awarded to <1% of Bavarian students
     EliteAkademie scholarship, <2% acceptance rate

Invited Talks

Major Keynotes:
01/2025 [9] ASCI Invited Tutorial for Computer Vision by Learning graduate course
12/2024 [8] Ada Lovelace Institute of Fraunhofer Society 6-year anniversary symposium
10/2024 [7] ECCV Self-supervised Learning: What is Next? Workshop
04/2024 [6] Synergising the Brain and Artificial Neural Networks Workshop, Univ. Birmingham
01/2024 [5] BMVA Symposium on vision and language
12/2023 [4] NeurIPS Self-supervised Learning in Theory and Practice Workshop
10/2023 [3] ACMM 2023 MADiMa workshop
04/2022 [2] AwesomeIT conference
09/2022 [1] ELLIS Video Understanding Symposium
Research talks:
06/2024 [40] Invited talk at TNO applied AI Inspiration Session (A. Trantas)
05/2024 [39] Invited talk at NLP workshop Amsterdam (R. Fernandez)
05/2024 [38] Invited talk at Helmholtz Munich Computational Health Center (Z. Akata)
04/2024 [37] Invited talk at Apple Research (L. Zapella)
04/2024 [36] Invited talk at the National Informatics Institute of Japan (S. Satoh)
04/2024 [35] Invited talk at the Advanced Institute for Science and Technology Tokyo (H. Kataoka)
04/2024 [34] Invited talk at Innovation Center for Artificial Intelligence (ICAI)
01/2024 [33] Invited talk at the Okinawa Institute of Science and Technology Graduate University (OIST) (M. Sabokrou)
01/2024 [32] Invited talk at the Technical University of Nuremberg (W. Burgard)
12/2023 [31] Invited talk at Netherlands Cancer Institute (NKI) Amsterdam (W. Silva)

09/2023 [30] Invited talk at Google DeepMind, London (J. Carreira)
07/2023 [29] Invited talk at Google Brain, Ghana (J. Hickey)
07/2023 [28] Invited talk at University of Ghana (JD. Abdulai)
06/2023 [27] Invited talk at Helsing AI, Germany (A. Bordes)
05/2023 [26] Invited talk at Computer Vision and Graphics Seminar, MIT (A. Torralba)
05/2023 [25] Invited talk at Computer Vision Group, University of Tempere (E. Rathu)
02/2023 [24] Invited talk at Computer Vision Center, Universitat Autonoma de Barcelona (D. Karatzas)
02/2023 [23] Invited lecture at Machine Learning Course, University of Edinburgh (H. Bilen)
02/2023 [22] Invited talk at Machine Learning and Computer Vision Group, University of Bristol (D. Damen, M. Wray)
02/2023 [21] Invited talk at AIMS seminar, University of Oxford (M. Osborne)
12/2022 [20] Invited talk at Computer Vision Group, University of Bern (P. Favaro)
10/2022 [19] Invited talk at AWS Research, Tel-Aviv (R. Litman)
09/2022 [18] Invited talk at the Machine Intelligence Laboratory, University of Cambridge (R. Cipolla, S. Albanie)
04/2022 [17] Invited talk at BMVA Symposium, Manchester
03/2022 [16] Invited talk at LMSS Seminar at INRIA, Rennes (L. Amsaleg)
12/2021 [15] Invited talk at Qualcomm-UvA Deep Vision Seminar at University of Amsterdam (E. Gavves)
11/2021 [14] Invited lecture at FACT-AI MSc course at University of Amsterdam (F. Santos)
10/2021 [13] Invited talk at CMIC & WEISS at medical imaging group University College London
09/2021 [12] Invited talk at International Workshop on Agentization, George Mason University
06/2021 [11] Invited talk at Imagine group at ENPC ParisTech (D. Picard)
05/2021 [10] Invited talk at Computer Vision Center, Universitat Autonoma de Barcelona (D. Karatzas)
03/2021 [9] Invited talk at Zalando Data Science Community Knowledge Exchange
01/2021 [8] Invited talk at Torr Vision Group and FiveAI (P. Torr)
10/2020 [7] Invited talk at UnitaryAI
06/2019 [6] Invited talk at Robotics and Autonomous Systems CDT Conference
03/2018 [5] Networks seminar, Mathematical Institute, University of Oxford
01/2018 [4] Balliol College interdisciplinary student seminar, University of Oxford
11/2017 [3] Networks seminar, Mathematical Institute, University of Oxford
10/2017 [2] Complexity Economics meeting, Institute for New Economic Thinking
08/2017 [1] Transdisciplinary methods research group, Potsdam Institute for Climate Impact Research

SERVICE TO THE ACADEMIC COMMUNITY

PhD Jury member:
  2024 Sindy Löwe (University of Amsterdam)
    Sarah Ibrahimi (University of Amsterdam)
    Arthur Guo [intermediate assessment] (University of Oslo)
    Gyungin Shin (University of Oxford)
    Rwiddhi Chakraborty (UiT The Arctic University of Norway)
  2023 Fida Thoker (University of Amsterdam)
    Vladimir Iashin (Tampere University)
    Mohamed Sayed (University College London)
Committee/Evaluator:
  2024 Evaluator for the Swiss National Science Foundation (SNSF) Spark Funding Scheme
    Evaluator for the European Union AI-BOOST Large AI Challenge
  2022 Member in the Ethics Committee for Student Projects at University of Amsterdam, Information Sciences
Area Chair:
  2025 CVPR (Lead AC),
  2024 ICLR, CVPR, WACV, ECCV (Senior AC), NeurIPS
  2023 CVPR, NeurIPS, NeurIPS workshops
  2022 ECCV, ECCV workshop, NeurIPS workshop
Workshop Reviewer:
  2024 ICML workshops
  2023 NeurIPS workshops
Reviewer:
  2023 ICCV (outstanding reviewer), IJCV
  2022 CVPR, ICML (outstanding reviewer), ECCV, ECCV workshop, IJCV, NeurIPS, ACM Multimedia, IJCV
  2021 CVPR (outstanding reviewer), ICCV (outstanding reviewer), NeurIPS Track on Datasets & Benchmarks,
    TPAMI, IJCV, NeurIPS workshops (3x): SSL Theory and Practice, Pregistration of Experiments, ImageNet PPF
  2020 ACCV, NeurIPS workshops (2x): SSL Theory and Practice; Pregistration of Experiments

Organization of Workshops/ PhD schools

12/2024 NeurIPS Workshop on *Foundation Model Interventions (MINT)*
   P Rodriguez, A Blaas, DR. Ivanova, S Ghalebikesabi, **YM. Asano**, K. Metcalf, X. Suau
10/2024 ECCV Tutorial on *Time is precious: Self-Supervised Learning Beyond Images*
   Shashanka Venkataramanan, Mohammadreza Salehi, **YM. Asano**
06/2024 CVPR workshop on *Representation Learning with Very Limited Images (LIMIT)*
   H. Kataoka, **YM. Asano**, C. Rupprecht, R. Yokota, N. Inoue, D. Hendrycks, X. Boix, et al.
04/2024 ELLIS Winter School on *Foundation Models*
   YM. Asano, C. Snoek, A. Pranindiati
12/2023 NeurIPS workshop on *Causal Representation Learning*
   S. Magliacane, C. Eastwood, **YM. Asano**, C. Shi, A. Mastakouri, S. Lachapelle, C. Uhler, B. Schölkopf
10/2023 ICCV workshop on *Big Model Adapting for Computer Vision (BigMAC)*
   YM. Asano, T. Han, M. Caron, P. Isola, S. Belongie
10/2022 ECCV workshop on *Self-Supervised Learning*
   YM. Asano, C. Rupprecht, D. Larlus, A. Zisserman
12/2022 NeurIPS workshop on *Self-Supervised Learning: Theory and Practice*
   I. Misra, P. Xie, X. Wang, G. Varol, Y. Song, **YM. Asano**, P. Luc
08/2021 Introductory 10-day workshop titled *Self-supervised learning and ethics* for the
   German National Academic Foundation (Studienstiftung) summer academy
   YM. Asano, C. Rupprecht
08/2020 ECCV workshop on *Self-Supervised Learning: What is Next? (SSLWIN)*
   YM. Asano, C. Rupprecht, and A. Joulin, A. Vedaldi

Summer/Winter School Lectures

03/2025 Lecturer at the Machine Learning Summer School in Okinawa 11/2024 Lecturer at ML in PL Conference
07/2024 Lecturer at African Computer Vision Summer School, Nairobi, Kenya
12/2022 Lecturer at Intelligent Sensing Winter School of Queen Mary Univ. of London (virtual)
09/2022 Lecturer at IPM-AI summer school (virtual)
07/2022 Lecturer at VISUM Summer school by INESC TEC (elected "best lecture")
05/2022 Lecturer at ASCI Computer Vision Summer School, Amsterdam

Academic development

University Teaching Qualification (BKO) courses (5 days), University of Amsterdam
Inclusive Learning Environment (1 day) , University of Amsterdam
Academic Leadership (8 days), University of Amsterdam
Superb Supervision (4 days), University of Amsterdam
Entrepreneurship (0.5 day), Said Business school, University of Oxford
Looking behind the label: mental ill-health in the workplace (0.5 day), University of Oxford
Core writing skills (0.5 day), University of Oxford
Public Engagement (0.5 day), University of Oxford
Presentation Skills (0.5 day), University of Oxford
Beyond Communication: Effective Two-way Engagement (0.5 day), University of Oxford

Media/Art

2024 Art exhibit "To the lighthouse of dreams" on visualizing dreams during the pandemic using generative AI, with L. Weytingh and J. Tuorminen at *The New Institute, Rotterdam*
2022 Organizer of the Deep Vision Seminar at the UvA with more than 2200 members on MeetUp
2021 Community blogposts about our PASS dataset and paper: ImportAI, Synced, Deep Learning Weekly
   Blogpost from Facebook AI about applying our method in Instagram Reels
2020 Advisor for projects at OxAI, a society to educate, build and connect an interdisciplinary AI community
   Blogpost from Facebook AI about our GDT paper
   Interviewed for the CTDS podcast
   Community video analyses (1 2) about our ICLR 2020 paper
   Community blogposts (1, 2) about our ICLR 2020 spotlight paper

OTHER

Languages: German (native), Japanese (native), English (fluent, IELTS 8.5/9), French (basic)
Nationality: German & Japanese
Hobbies: Hiking, Tree & Plant identification, (Ultra)-running

REFERENCES

[1] A. T. Warmerdam, M. Caron, and Y. M. Asano. Self-masking networks for unsupervised adaptation. *GDPR*, 2024.

[2] S. Venkataramanan, M. N. Rizve, J. Carreira, Y. M. Asano*, and Y. Avrithis*. Is imagenet worth 1 video? learning strong image encoders from 1 long unlabelled video. *ICLR*, 2024.

[3] S. Venkataramanan, A. Ghodrati, Y. M. Asano, F. Porikli, and A. Habibian. Skip-attention: Improving vision transformers by paying less attention. *ICLR*, 2024.

[4] T. F. van der Ouderaa, M. Nagel, M. van Baalen, Y. M. Asano, and T. Blankevoort. The llm surgeon. *ICLR*, 2024.

[5] L. Straeter, M. Salehi, E. Gavves, C. Snoek, and Y. M. Asano. Generalad: Anomaly detection across domains by attending to distorted features. *ECCV*, 2024.

[6] S. Soni, A. Saeed, and Y. M. Asano. Federated learning with a single shared image. *CVPR LIMIT workshop*, 2024.

[7] W. Simoncini, S. Gidaris, A. Bursuc, and Y. M. Asano. No train, all gain: Self-supervised gradients improve deep frozen representations. *arxiv*, 2024.

[8] L. Samson, N. Barazani, S. Ghebreab, and Y. M. Asano. Privacy-aware visual language models. *arXiv:2405.17423*, 2024.

[9] M. Salehi, M. Dorkenwald, F. M. Thoker, E. Gavves, C. Snoek, and Y. M. Asano. Sigma: Sinkhorn-guided masked video modeling. *ECCV*, 2024.

[10] R. Romijnders, Y. M. Asano, C. Louizos, and M. Welling. Protect your score: Contact-tracing with differential privacy guarantees. *AAAI*, 2024.

[11] V. Pariza, M. Salehi, G. Burghouts, F. Locatello, and Y. M. Asano. Neco: Improving dinov2's spatial representations in 19 gpu hours with patch neighbor consistency. *arxiv*, 2024.

[12] G. Ohtani, R. Tadokoro, R. Yamada, Y. M. Asano, I. Laina, C. Rupprecht, N. Inoue, R. Yokota, H. Kataoka, and Y. Aoki. Rethinking image super-resolution from training data perspectives. *ECCV*, 2024.

[13] R. Nakamura, R. Tadokoro, R. Yamada, Y. M. Asano, I. Laina, C. Rupprecht, N. Inoue, R. Yokota, and H. Kataoka. Scaling backwards: Minimal synthetic pretraining? *ECCV*, 2024.

[14] J. Loedeman, M. Stol, T. Han, and Y. M. Asano. Input-dependent input-prompts for adapting frozen vision transformers. *BMVC*, 2024.

[15] D. Kopiczko, T. Blankevoort, and Y. M. Asano. Vera: Vector-based random matrix adaptation. *ICLR*, 2024.

[16] D. Kopiczko, T. Blankevoort, and Y. M. Asano. Bitune: Bidirectional instruction-tuning. *arXiv:2405.14862*, 2024.

[17] L. Knobel, T. Han*, and Y. M. Asano*. Learning to count without annotations. *CVPR*, 2024.

[18] K. Kahatapitiya, A. Karjauv, D. Abati, F. Porikli, Y. M. Asano, and A. Habibian. Object-centric diffusion for efficient video editing. *ECCV*, 2024.

[19] V. T. Hu, D. Wu, Y. M. Asano, P. Mettes, B. Fernando, B. Ommer, and C. G. M. Snoek. Flow matching for conditional text generation in a few sampling steps. *EACL*, 2024.

[20] M. Dorkenwald, N. Barazani, C. G. M. Snoek, and Y. M. Asano. Pin: Positional insert unlocks object localisation abilities in vlms. *CVPR*, 2024.

[21] M. Don, S. Pinson, B. G. Cebrian, and Y. M. Asano. Foundation model or finetune? evaluation of few-shot semantic segmentation for river pollution. *ECCV Green Foundation Model Workshop*, 2024.

[22] B. Bergner, A. Skliar, A. Royer, T. Blankevoort, Y. M. Asano, and B. E. Bejnordi. Think big, generate quick: Llm-to-slm for fast autoregressive decoding. *arXiv:2402.16844*, 2024.

[23] O. Ülger, M. Kulicki, Y. M. Asano, and M. R. Oswald. Self-guided open-vocabulary semantic segmentation. *arXiv: 2312.04539*, 2023.

[24] P. Yang, C. G. M. Snoek*, and Y. M. Asano*. Self-ordering point clouds. *ICCV*, 2023.

[25] W. van den Dool, T. Blankevoort, M. Welling, and Y. M. Asano. Efficient neural pde-solvers using quantization aware training. *ICCV Workshop on Resource Efficient Deep Learning for Computer Vision*, 2023.

[26] V. Tsouvalas, Y. M. Asano, and A. Saeed. Federated fine-tuning of foundation models via probabilistic masking. *arXiv: 2311.17299*, 2023.

[27] M. Salehi, E. Gavves, C. G. M. Snoek, and Y. M. Asano. Time does tell: Self-supervised time-tuning of dense image representations. *ICCV*, 2023.

[28] R. Romijnders, Y. M. Asano, C. Louizos, and M. Welling. No time to waste: practical statistical contact tracing with few low-bit messages. *AISTATS*, 2023.

[29] P. Lippe, S. Magliacane, S. Löwe, Y. M. Asano, T. Cohen, and E. Gavves. Causal representation learning for instantaneous and temporal effects. *ICLR*, 2023.

[30] P. Lippe, S. Magliacane, S. Löwe, Y. M. Asano, T. Cohen, and E. Gavves. BISCUIT: Causal representation learning from binary interactions. *UAI*, 2023.

[31] S. Li, F. G. Zanjani, H. B. Yahia, Y. M. Asano, J. Gall, and A. Habibian. Valid: Variable-length input diffusion for novel view synthesis. *arXiv: 2312.08892*, 2023.

[32] M. Kilickaya, J. van de Weijer, and Y. M. Asano. Towards label-efficient incremental learning: A survey. *arXiv: 2302.00353*, 2023.

[33] V. T. Hu, D. W. Zhang, Y. M. Asano, G. J. Burghouts, and C. G. Snoek. Self-guided diffusion models. *CVPR*, 2023.

[34] V. T. Hu, W. Yin, P. Ma, Y. Chen, B. Fernando, Y. M. Asano, E. Gavves, P. Mettes, B. Ommer, and C. G. M. Snoek. Motion flow matching for human motion synthesis and editing. *arXiv: 2312.08895*, 2023.

[35] V. T. Hu, Y. Chen, M. Caron, Y. M. Asano, C. G. M. Snoek, and B. Ommer. Guided diffusion from self-supervised diffusion features. *arXiv: 2312.08825*, 2023.

[36] M. M. Derakhshani, I. Najdenkoska, M. Worring*, C. G. Snoek*, and Y. M. Asano*. Small visual language models can also be open-ended few-shot learners. *arXiv: 2310.00500*, 2023.

[37] Y. M. Asano* and A. Saeed*. The augmented image prior: Distilling 1000 classes by extrapolating from a single image. *ICLR*, 2023.

[38] A. Ziegler and Y. M. Asano. Self-supervised learning of object parts for semantic segmentation. *CVPR*, 2022.

[39] P. Yang, Y. M. Asano, P. Mettes, and C. G. Snoek. Less than few: Self-shot video instance segmentation. *ECCV*, 2022.

[40] P. Lippe, S. Magliacane, S. Löwe, Y. M. Asano, T. Cohen, and E. Gavves. CITRIS: Causal identifiability from temporal intervened sequences. *ICML*, 2022.

[41] I. Laina, Y. M. Asano, and A. Vedaldi. Measuring the interpretability of unsupervised representations via quantized reversed probing. *ICLR*, 2022.

[42] L. Hanu, Y. M. Asano, T. James, and C. Rupprecht. Vtc: Improving video-text retrieval with user comments. *ECCV*, 2022.

[43] C. Borchers, D. S. Gala, B. Gilburt, E. Oravkin, W. Bounsi, Y. M. Asano, and H. R. Kirk. Looking for a handsome carpenter! debiasing gpt-3 job advertisements. *NAACL workshop on Gender Bias in NLP*, 2022.

[44] T. Afouras*, Y. M. Asano*, F. Fagan, A. Vedaldi, and F. Metze. Self-supervised object detection from audio-visual correspondence. *CVPR*, 2022.

[45] M. Patrick*, P.-Y. Huang*, Y. M. Asano*, I. Misra, F. Metze, A. Vedaldi, and J. F. Henriques. Space-time crop & attend: Improving cross-modal video representation learning. *ICCV*, 2021.

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[47] M. Patrick*, D. Campbell*, Y. M. Asano*, I. Misra, F. Metze, C. Feichtenhofer, A. Vedaldi, and J. F. Henriques. Keeping your eye on the ball: Trajectory attention in video transformers. *NeurIPS*, 2021.

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[49] H. Kirk, Y. Jun, P. Rauba, G. Wachtel, R. Li, X. Bai, N. Broestl, M. Doff-Sotta, A. Shtedritski, and Y. M. Asano. Memes in the wild: Assessing the generalizability of the hateful memes challenge dataset. *ACL WOAH workshop 2021*, 2021.

[50] H. Kirk, Y. Jun, H. Iqbal, E. Benussi, F. Volpin, F. A. Dreyer, A. Shtedritski, and Y. M. Asano. Bias out-of-the-box: An empirical analysis of intersectional occupational biases in popular generative language models. *NeurIPS*, 2021.

[51] P. He, C. Griffin, K. Kacprzyk, A. Joosen, M. Collyer, A. Shtedritski, and Y. M. Asano. Privacy-preserving object detection. *arXiv*, 2021, 2103.06587.

[52] Y. M. Asano, C. Rupprecht, A. Zisserman, and A. Vedaldi. Pass: An imagenet replacement for self-supervised pretraining without humans. *NeurIPS Track on Datasets and Benchmarks*, 2021.

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