

Guodong Ding

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Research Interest

My current interest includes video understanding, temporal & sequential modeling with less supervisions.

Education

2013 – 2020 **Ph.D.** in Computer Science and Technology
2009 – 2013 **B.Eng.** in Computer Science and Technology
Nanjing University of Science & Technology, China

Academic Experience

2023 - **Senior Research Fellow**
2020 - 2023 **Research Fellow**
School of Computing, National University of Singapore, Singapore.
06 - 10.2019 **Research Intern**
Computer Vision Team, Qualcomm Shanghai, China.
02 - 11.2017 **Visiting Scholar**, Australian National University, Australia.
2015 - 2017 **Research Assistant**, The Hong Kong Polytechnic University, HKSAR, China.

Advised Students

2024 - Alberto Mate (Master @ UPC)
Qing Zhong (PhD @ U. Adelaide)
2023 - 2024 Hans Golong (Master @ NUS)

Selected Publications

My advised students are underlined, my name is in **bold**.

Journal Articles

- [J3] **G. Ding**, F. Sener, and A. Yao, “Temporal Action Segmentation: An Analysis of Modern Techniques,” *IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2023. doi: 10.1109/TPAMI.2023.3327284.
- [J2] **G. Ding** and A. Yao, “Temporal Action Segmentation with High-level Complex Activity Labels,” *IEEE Transactions on Multimedia (TMM)*, vol. 25, pp. 1928–1939, 2023. doi: 10.1109/TMM.2022.3231099.

- [J1] **G. Ding**, S. Zhang, S. Khan, Z. Tang, J. Zhang, and F. Porikli, “Feature Affinity-Based Pseudo Labeling for Semi-Supervised Person Re-Identification,” *IEEE Transactions on Multimedia (TMM)*, vol. 21, no. 11, pp. 2891–2902, 2019. doi: 10.1109/TMM.2019.2916456.

Conference Proceedings

- [C5] **G. Ding**, H. Golong, and A. Yao, “Coherent Temporal Synthesis for Incremental Action Segmentation,” in *CVPR*, 2024.
- [C4] **G. Ding**, F. Sener, S. Ma, and A. Yao, “Ordering Mistake Detection in Assembly Tasks,” in *CVPRW*, 2024.
- [C3] Q. Zhong, **G. Ding**, and A. Yao, “OnlineTAS: An Online Baseline for Temporal Action Segmentation,” in *NeurIPS*, 2024.
- [C2] **G. Ding** and A. Yao, “Leveraging Action Affinity and Continuity for Semi-supervised Temporal Action Segmentation,” in *ECCV*, 2022.
- [C1] **G. Ding**, S. Khan, Z. Tang, J. Zhang, and F. Porikli, “Dispersion based Clustering for Unsupervised Person Re-identification,” in *BMVC*, 2019.

Service

Senior Program Committee, AAAI 2024

Organizer, ATLAS tutorial, ECCV 2022

Journal: TPAMI, TMM, TIP, TII, TCSVT

Conference: CVPR, ICCV, ECCV, NeurIPS, AAAI, BMVC

Awards

Student Travel Grant, ICCV 2019.