



Liqi Yan

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I presently hold the position of Associate Professor with Special Appointment at Hangzhou Dianzi University. I received my Ph.D. degree from **Fudan University**, earning the honor of Outstanding Graduate, in 2023. Prior to that, I earned my bachelor's degree from Beijing University of Posts and Telecommunications in 2018. My current research topics cover *Deep Learning* (DL), *Computer Vision* (CV), *Natural Language Processing* (NLP), and *Robotic Navigation*. I am focusing on combining computer vision with natural language processing on the platform of robotics. I have conducted basic and applied research, including video captioning, visual-language robotic navigation, and visual geo-localization, etc. My publication portfolio includes papers from top-tier conferences and journals, including **ICCV**, **AAAI**, **IJCAI**, **IROS**, **ICASSP**, and **TCSVT**. I serve as a **Program Committee Member** (or **Reviewer**) for top conferences including **AAAI**, **IJCAI**, and **ACM MM**, and top journals including **TIP** (IF=10.6), **TCSVT** (IF=8.4), **Neurocomputing** (IF=6.0), etc. In addition, I have been serving as the **Editor** of **BDCC** (IF=3.7) and other SCI journals since 2024.

Educations

BA	- Beijing University of Posts and Telecommunications	09 / 2014 – 06 / 2018
Ph.D	- Fudan University	09 / 2018 – 06 / 2023

Publications

Video Captioning:

2019 – 2023

- **Liqi Yan**, Cheng Han, Zenglin Xu, Dongfang Liu, and Qifan Wang. "Prompt Learns Prompt: Exploring Knowledge-Aware Generative Prompt Collaboration for Video Captioning." In **IJCAI** (2023).
- **Liqi Yan**, Qifan Wang, Yiming Cui, Fuli Feng, Xiaojun Quan, Xiangyu Zhang, and Dongfang Liu. "Gl-rg: Global-local representation granularity for video captioning." In **IJCAI** (2022).

Visual-Language Navigation:

2020 – 2021

- **Liqi Yan**, Dongfang Liu, Yaoxian Song, and Changbin Yu. "Multimodal aggregation approach for memory vision-voice indoor navigation with meta-learning." In **IROS** (2020).
- **Liqi Yan**, Yiming Cui, Yingjie Chen, and Dongfang Liu. "Hierarchical attention fusion for geo-localization." In **ICASSP** (2021).

Video Object Detection / Segmentation:

2020 – 2021

- Yiming Cui*, **Liqi Yan***, Zhiwen Cao, and Dongfang Liu. "Tf-blender: Temporal feature blender for video object detection." In **ICCV**. (2021). (*Equal Contribution)
- **Liqi Yan**, Qifan Wang, Siqi Ma, Jingang Wang, and Changbin Yu. "Solve the puzzle of instance segmentation in videos: A weakly supervised framework with spatio-temporal collaboration." **TCSVT** (2022).

Services

■ Advances in Multimedia, Big Data and Cognitive Computing , etc.	Editor	Since 2024
■ AAAI, IJCAI, AAAI, IJCAI, MM , etc.	PC Member	Since 2023
■ TIP, TCSVT, Neurocomputing, TETCI, TCSS, MTAP, IROS, ICME , etc.	Reviewer	Since 2022

Partners

■ Dongfang Liu (Ph.D., Purdue University)	Assistant Professor, RIT.
■ Qifan Wang (Ph.D., Purdue University)	Research Scientist, Meta AI.
■ Jianhui Zhang (Ph.D., Zhejiang University)	Full Professor, Hangzhou Dianzi University.
■ Wenhui Zhou (Ph.D., Zhejiang University)	Full Professor, Hangzhou Dianzi University.

Partners' Publications

- **Wenhui Zhou**, Enci Zhou, Gaoming Liu, et al. "Unsupervised Monocular Depth Estimation from Light Field Image", **TIP** (2020).
- Manzil Zaheer, Guru Guruganesh, Kumar Avinava Dubey, Joshua Ainslie, Chris Alberti, Santiago Ontanon, Philip Pham, Anirudh Ravula, **Qifan Wang**, Li Yang, Amr Ahmed. "Big bird: Transformers for longer sequences." In **NIPS** (2020).
- Wenguan Wang, James Liang, **Dongfang Liu**. "Learning equivariant segmentation with instance-unique querying." In **NIPS** (2022).
- Wenguan Wang, Cheng Han, Tianfei Zhou, **Dongfang Liu**. "Visual recognition with deep nearest centroids", In **ICLR** (2023).
- Cheng Han, **Qifan Wang**, Yiming Cui, Zhiwen Cao, Wenguan Wang, Siyuan Qi, **Dongfang Liu**. "E2VPT: An Effective and Efficient Approach for Visual Prompt Tuning." In **ICCV** (2023).
- Yawen Lu, **Qifan Wang**, Siqi Ma, Tong Geng, Yingjie Victor Chen, Huaijin Chen, **Dongfang Liu**. "TransFlow: Transformer as Flow Learner." In **CVPR** (2023).