

涂云斌

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⚙️ 研究兴趣

- 视觉-语言学习：视频语义描述，视觉变化语义描述，图像语义描述，多模态机器翻译
- 多媒体内容分析：多模态融合，基于文本的视频检索

🎓 教育经历

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|---|-------------------|
| 中国科学院大学 | 2022.9 – 至今 |
| 工学博士 计算机应用技术 | 中国北京 |
| <ul style="list-style-type: none">• 导师：苏荔教授• 合作导师：李亮副研究员（中科院计算所） | |
| 昆明理工大学 | 2019.09 – 2022.06 |
| 工学硕士 模式识别与智能系统 | 中国昆明 |
| <ul style="list-style-type: none">• 导师：余正涛教授 | |
| 杭州电子科技大学 | 2014.09 – 2018.06 |
| 工学学士 自动化 | 中国杭州 |
| <ul style="list-style-type: none">• 导师：颜成钢教授 | |

📁 实习经历

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|---|-------------------|
| 中科院计算所 | 2020.11 – 2022.08 |
| 视觉信息处理与学习组 | 中国北京 |
| 合作导师：李亮副研究员 | |
| <ul style="list-style-type: none">• 基于文本的视频检索，视频语义描述，视觉变化语义描述 | |
| 清华大学 | 2018.03 – 2018.06 |
| 深圳国际研究生院 | 中国深圳 |
| 合作导师：王兴政副教授 | |
| <ul style="list-style-type: none">• 视频语义描述 | |
| 中科院计算所 | 2016.06 – 2017.06 |
| 前瞻实验室 | 中国北京 |
| 合作导师：张曦珊博士 | |
| <ul style="list-style-type: none">• 视频语义描述 | |

♥️ 获奖情况

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|---------------------------------|-----------|
| 中国科学院大学三好学生 | 2023 |
| 昆明理工大学优秀硕士学位论文 | 2022 |
| 云南省三好学生 | 2021/2022 |
| 研究生国家奖学金 | 2021 |
| 国际会议ACM MM Student Travel Grant | 2017 |

👥 学术服务

- 国际期刊审稿人：IEEE TCSVT (IF:8.4), IEEE TETCI (IF:5.3), Artificial Intelligence Review (IF:12.0)
- 国际会议审稿人：AAAI 2023/2024 (CCF-A), ACL 2023 (CCF-A), EMNLP 2023 (CCF-B), ACM MM 2023 (CCF-A)

- 谷歌学术：被引512次，h-index = 8，i10-index = 6，1篇近5年全球高被引论文（2023年12月12日更新）
- [个人谷歌学术主页](#)

- [1] Yunbin Tu, Liang Li, Li Su, Zheng-Jun Zha, Chenggang Yan, Qingming Huang. Self-supervised Cross-view Representation Reconstruction for Change Captioning, **ICCV**, 2023 (CCF-A).
- [2] Yunbin Tu, Liang Li, Li Su, Junping Du, Ke Lu, Qingming Huang, Viewpoint-Adaptive Representation Disentanglement Network for Change Captioning, **IEEE Transactions on Image Processing (TIP)**, 2023（中科院一区TOP，IF:10.6）.
- [3] Yunbin Tu, Liang Li, Li Su, Ke Lu, Qingming Huang, Neighborhood Contrastive Transformer for Change Captioning, **IEEE Transactions on Multimedia (TMM)**, 2023 (中科院一区TOP，IF:7.3).
- [4] Yunbin Tu, Chang Zhou, Junjun Guo, Huafeng Li, Shengxiang Gao, Zhengtao Yu, Relation-aware attention for video captioning via graph learning, **Pattern Recognition (PR)**, 2023 (中科院一区TOP，IF:8.0).
- [5] Shengbin Yue, Yunbin Tu, Liang Li, Ying Yang, Shengxiang Gao, Zhengtao Yu, I3N: Intra- and Inter-representation Interaction Network for Change Captioning, **IEEE Transactions on Multimedia (TMM)**, 2023 (中科院一区TOP，IF:7.3).
- [6] Yunbin Tu, Liang Li, Li Su, Shengxiang Gao, Chenggang Yan, Zhengjun Zha, Zhengtao Yu, Qingming Huang, I²Transformer: Intra- and Inter-relation Embedding Transformer for TV Show Captioning, **IEEE Transactions on Image Processing (TIP)**, 2022 (中科院一区TOP，IF:10.6).
- [7] Liang Li, Xingyu Gao, Jincan Deng, Yunbin Tu, Zhengjun Zha, Qingming Huang, Long Short-Term Relation Transformer with Global Gating for Video Captioning, **IEEE Transactions on Image Processing (TIP)**, 2022 (中科院一区TOP，IF:10.6).
- [8] Gaoxiang Cong, Liang Li, Zhenhuan Liu, Yunbin Tu, Weijun Qin, Shenyuan Zhang, Chengang Yan, Wenyu Wang, Bin Jiang: LS-GAN: Iterative Language-based Image Manipulation via Long and Short Term Consistency Reasoning, **ACM MM**, 2022 (CCF-A).
- [9] Yunbin Tu, Chang Zhou, Junjun Guo, Shengxiang Gao, Zhengtao Yu, Enhancing the Alignment between Target Words and Corresponding Frames for Video Captioning, **Pattern Recognition (PR)**, 2021 (中科院一区TOP，IF:8.0).
- [10] Yunbin Tu, Liang Li, Tingting Yao, Jiedong Lou, Shengxiang Gao, Zhengtao Yu, Chenggang Yan, Semantic Relation-aware Difference Representation Learning for Change Captioning, **Findings of ACL (Long)**, 2021 (CCF-A).
- [11] Yunbin Tu, Liang Li, Chenggang Yan, Shengxiang Gao, Zhengtao Yu, R³Net: Relation-embedded Representation Reconstruction Network for Change Captioning, **EMNLP (Long)**, 2021 (CCF-B).
- [12] Chengang Yan, Yunbin Tu, Xingzheng Wang, Yongbing Zhang, Xinhong Hao, Yongdong Zhang, Qionghai Dai, STAT: spatial-temporal attention mechanism for video captioning, **IEEE Transactions on Multimedia (TMM)**, 2019 (中科院一区TOP，IF:7.3).
- [13] Yunbin Tu, Xishan Zhang, Bingtao Liu, Chenggang Yan, Video Description with Spatial-Temporal Attention, **ACM MM**, 2017 (CCF-A).