

# 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

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

- 导师：苏荔教授
- 合作导师：李亮研究员（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

- 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

- 导师：颜成钢教授

## ♥ 获奖情况

博士研究生国家奖学金	2024
国际会议ACL Diversity and Inclusion Award	2024
中国科学院大学三好学生	2023/2024
云南省三好学生	2021/2022
硕士研究生国家奖学金	2021
国际会议ACM MM Student Travel Grant	2017

## 👥 学术服务

- 国际期刊审稿人：TIP (IF:10.8), TCSVT (IF:8.3), TETCI (IF:5.3), Artificial Intelligence Review (IF:10.7), Neurocomputing (IF:5.5), CVIU (IF:4.3), Multimedia Systems (IF:3.5), International Journal of Multimedia Information Retrieval (IF:3.6)
- 国际会议审稿人：AAAI 2023/2024/2025 (CCF-A), ACL 2023/2024 (CCF-A), EMNLP 2023/2024 (CCF-B), ACM MM 2023/2024 (CCF-A), CVPR 2025 (CCF-A), NAACL 2025 (CCF-B)

## 🏠 主要成果

- 谷歌学术：被引769次，h-index = 13，i10-index = 14，1篇近5年全球高被引论文（2024年12月14日更新）
  - 更多成果详见 [个人谷歌学术主页](#)
1. **Yunbin Tu**, Liang Li, Li Su, Qingming Huang. Query-centric Audio-Visual Cognition Network for Moment Retrieval, Segmentation and Step-Captioning, **AAAI**, 2025 (CCF-A).
  2. **Yunbin Tu**, Liang Li, Li Su, Chenggang Yan, Qingming Huang. Distractors-Immune Representation Learning with Cross-modal Contrastive Regularization for Change Captioning, **ECCV**, 2024 (CCF-B).
  3. **Yunbin Tu**, Liang Li, Li Su, Zheng-Jun Zha, Chenggang Yan, Qingming Huang. Context-aware Difference Distilling for Multi-change Captioning, **ACL** (main conference, long paper), 2024 (CCF-A).

4. Yunbin Tu, Liang Li, Li Su, Zheng-Jun Zha, Qingming Huang. SMART: Syntax-calibrated Multi-Aspect Relation Transformer for Change Captioning, IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2024 (中科院一区TOP, IF:20.8).
5. 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).
6. 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:10.8).
7. 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:8.4).
8. 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:7.5).
9. Yunbin Tu, Liang Li, Li Su, Shengxiang Gao, Chenggang Yan, Zhengjun Zha, Zhengtao Yu, Qingming Huang, I<sup>2</sup>Transformer: Intra- and Inter-relation Embedding Transformer for TV Show Captioning, IEEE Transactions on Image Processing (TIP), 2022 (中科院一区TOP, IF:10.8).
10. 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:7.5).
11. 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).
12. Yunbin Tu, Liang Li, Chenggang Yan, Shengxiang Gao, Zhengtao Yu, R<sup>3</sup>Net: Relation-embedded Representation Reconstruction Network for Change Captioning, EMNLP (Long), 2021 (CCF-B).
13. Chenggang 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:8.4, ACM MM 2017扩展).
14. Yunbin Tu, Xishan Zhang, Bingtao Liu, Chenggang Yan, Video Description with Spatial-Temporal Attention, ACM MM, 2017 (CCF-A).