

# LIN TIANWEI

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## SHORT BIO

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<b>Baidu VIS</b> SENIOR SOFTWARE ENGINEER	<i>Shanghai</i> 2019.04 - Now
<b>Sensetime</b> RESEARCH INTERN	<i>Shanghai</i> 2018.06 - 2018.11
<b>Shanghai Jiao Tong University</b> M.E. IN PATTERN RECOGNITION AND ARTICIAL INTELLIGENCE	<i>Shanghai</i> 2016.09 - 2019.03
<b>Shanghai Jiao Tong University</b> B.E. IN MECHANICAL ENGINEERING & AUTOMATION	<i>Shanghai</i> 2012.09 - 2016.06

## RESEARCH INTERESTS

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<b>Vision Generation &amp; Editing</b>	Style Transfer, Generative Adversarial Networks
<b>Video Understanding</b>	Action Recogniton, Temporal Action Localization

## HONORS & AWARDS

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- NTIRE Challenge 2021, CVPR Workshop.**  
*Winner* of Depth Guided Image Relighting (Track 2), *Runner-up* of Image Deblurring (Track 2)
- ActivityNet Challenge 2020, CVPR Workshop.**  
*First place* in HACS weakly-supervised temporal action localization.
- ActivityNet Challenge 2019, CVPR Workshop.**  
*Winner of two tasks:* Temporal Action Proposal and Temporal Action Localization.
- ActivityNet Challenge 2018, CVPR Workshop.**  
*First place* in Temporal Action Localization task, the *second place* in Temporal Action Proposal task
- ActivityNet Challenge 2017, CVPR Workshop.**  
*Winner of two tasks:* Temporal Action Proposal and Temporal Action Localization.

## SELECTED PUBLICATIONS

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- Lin T**, Ma Z, Li F, et al. Drafting and Revision: Laplacian Pyramid Network for Fast High-Quality Artistic Style Transfer. Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**). 2021: 5141-5150.
- Liu S\*, **Lin T\***, He D, et al. Paint transformer: Feed forward neural painting with stroke prediction. Proceedings of the IEEE International Conference on Computer Vision (**ICCV**). 2021: 6598-6607. **Oral**.
- Liu S, **Lin T**, He D, et al. Adaattn: Revisit attention mechanism in arbitrary neural style transfer. Proceedings of the IEEE International Conference on Computer Vision (**ICCV**). 2021: 6649-6658.
- Yang L, Han J, Zhao T, **Lin T**, et al. Background-Click Supervision for Temporal Action Localization. Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**). 2021.
- Wang W, **Lin T**, He D, et al. Semi-Supervised Temporal Action Proposal Generation via Exploiting 2-D Proposal Map. IEEE Transactions on Multimedia (**TMM**), 2021.
- Lin T**, Zhao X, Su H. Joint Learning of Local and Global Context for Temporal Action Proposal Generation. IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT**), 2019, 30(12): 4899-4912.
- Lin T**, Liu X, Li X, et al. Bmn: Boundary-matching network for temporal action proposal generation. Proceedings of the IEEE International Conference on Computer Vision (**ICCV**). 2019: 3889-3898.

**Lin T**, Zhao X, Su H, et al. Bsn: Boundary sensitive network for temporal action proposal generation. Proceedings of the European Conference on Computer Vision (**ECCV**). 2018: 3-19.

**Lin T**, Zhao X, Shou Z. Single shot temporal action detection. Proceedings of the 25th ACM international conference on Multimedia (**ACMMM**). 2017: 988-996.

**Lin T**, Zhao X, Fan Z. Temporal action localization with two-stream segment-based RNN[C]//2017 IEEE International Conference on Image Processing (**ICIP**). IEEE, 2017: 3400-3404.

Wu W, He D, **Lin T**, et al. MVFNet: Multi-View Fusion Network for Efficient Video Recognition. Proceedings of the AAAI Conference on Artificial Intelligence (**AAAI**), 2021.

Li X, **Lin T**, Liu X, et al. Deep concept-wise temporal convolutional networks for action localization. Proceedings of the 28th ACM International Conference on Multimedia (**ACMMM**). 2020: 4004-4012.

Fan Z, Zhao X, **Lin T**, et al. Attention-based multiview re-observation fusion network for skeletal action recognition. IEEE Transactions on Multimedia (**TMM**), 2018, 21(2): 363-374.

Su H, Zhao X, **Lin T**, et al. Transferable Knowledge-Based Multi-Granularity Fusion Network for Weakly Supervised Temporal Action Detection. IEEE Transactions on Multimedia (**TMM**), 2020.

Su H, Zhao X, **Lin T**. Cascaded pyramid mining network for weakly supervised temporal action localization. Asian Conference on Computer Vision (**ACCV**). Springer, Cham, 2018: 558-574.

## **PROFESSIONAL SERVICES**

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### **Journal Reviewer.**

TPAMI, IJCV, TMM, TCSVT, TIP, Neurocomputing

### **Conference Reviewer.**

CVPR, ICCV, ECCV, AAAI, ACMMM, IJCAI