Wenbin Wang

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[Google Scholar](), [github]()

Research Interests

Computer vision and artificial intelligence, especially in enabling intelligent agents to sense and understand a real scene as we humans do.

Education

Institute of Computing Technology, Chinese Academy of Sciences **Sept. 2017 - Now**

Ph.D. in Computer Applied Technology (Computer Vision)
Advisor: Prof. Xilin Chen and Prof. Ruiping Wang

Nankai University **Sept. 2013 - Jun. 2017**

B.Eng. in Computer Science and Technology
Thesis: Hierarchical Scene Classification

Awards and Honors

- Excellence Scholarship in ICT, 2019.
- Meritorious Winner in MCM/ICM (Mathematical Contest in Modeling of America), 2015.
- First-Honor Scholarship in Nankai University, 2014-2016.

Publications

1. **Wenbin Wang**, Ruiping Wang, Shiguang Shan, Xilin Chen, "Exploring Relationship Context and Visual Pattern for Scene Graph Generation", IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), Long Beach, CA, USA, 2019.

Academic Projects

Relationship Context and Visual Pattern **Summer 2018 - Spring 2019**

- Exploited context of visual relationship which is helpful for reasoning.
- Analysed and designed better visual pattern to enhance the generalization of the model when recognizing the visual relationship.

Object Detection Framework **Winter 2018**

- A unified platform which implemented the Faster-Rcnn and YOLOv2 detector.

Scene Category Annotation on MSCOCO **Spring 2017**

- Motivation: Objects and scene are inherently associated.
- We annotated 50% train/val images on COCO 2014 (about 40,000 training imgaes and 20,000 validation images).