

Wenbin Wang

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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 images and 20,000 validation images).