

# HAO TANG

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## EDUCATION

### Nanjing University of Science and Technology

School of Computer Science and Engineering

Intelligent Media Analysis Group, Ph.D Candidate

Supervised by [Prof. Jinhui Tang](#) and [Prof. Zechao Li](#)

Nanjing China

Sep. 2018 - 2022

### Harbin Engineering University

College of Automation, B.S. in Engineering Science

Excellent Bachelor Thesis & Excellent Graduate

Harbin China

Sep. 2014 - Jun. 2018

## RESEARCH INTERESTS

### Learning From Limited or Imperfect Data

**Multimedia:** Zero/Few-shot Learning, Fine-Grained Visual Classification/Retrieval

**Computer Vision:** Weakly-supervised Object Localization/Detection/Segmentation

## RESEARCH EXPERIENCES

### Singapore University of Technology and Design

Information Systems Technology and Design, Visiting Research Fellow

Advisor: Dr. Jun Liu

Singapore

Nov. 2022 - Now

## SELECTED PUBLICATIONS

### Complementary Triple-Decoder Network for Robust RGB-T Salient Object Detection

Hao Tang, Zechao Li, Di Wang, Dong Zhang, and Jinhui Tang

Under Review, 2023

IEEE Transactions on Pattern Analysis and Machine Intelligence

### Erasing, Transforming, and Noising Defense Network for Occluded Person Re-Identification

Neng Dong, Liyan Zhang, Shuanglin Yan, Hao Tang, and Jinhui Tang

Under Review, 2022

IEEE Transactions on Information Forensics & Security

### Image-Specific Information Suppression and Implicit Local Alignment for Text-based Person Search

Shuanglin Yan, Hao Tang, Liyan Zhang, and Jinhui Tang

Under Review, 2022

IEEE Transactions on Neural Networks and Learning Systems

### Knowledge-Guided Semantic Transfer Network for Few-Shot Image Recognition

Zechao Li, Hao Tang, Zhimao Peng, Guo-jun Qi, and Jinhui Tang

IEEE Transactions on Neural Networks and Learning Systems 2023

### Boosting Few-shot Fine-grained Recognition with Background Suppression and Foreground Alignment

Zican Zha, Hao Tang, Yunlian Sun, and Jinhui Tang

IEEE Transactions on Circuits and Systems for Video Technology 2023

### Learning Attention-Guided Pyramidal Features for Few-shot Fine-grained Recognition

Hao Tang, Chengcheng Yuan, Zechao Li, and Jinhui Tang

International Joint Conference on Artificial Intelligence (IJCAI) LTDL Workshop 2021 (Best Paper Award)

Pattern Recognition 2022

### BlockMix: Meta Regularization and Self-Calibrated Inference for Metric-Based Meta-Learning

Hao Tang, Zechao Li, Zhimao Peng, and Jinhui Tang

ACM International Conference on Multimedia (ACM MM) 2020 (Oral Presentation)

## AWARDS AND HONORS

Best Paper Award at Long-Tailed Distribution Learning Workshop, IJCAI 2021

Aug. 2021

Excellent Ph.D. Students Sponsorship Program of NJUST  
The First Prize Scholarship of NJUST  
Outstanding Graduates and Excellent Bachelor Thesis Award of HEU  
The First-class Innovation Scholarship of MIIT (China)

Jun. 2021  
Sep. 2018 - 2022  
Jun. 2018  
Nov. 2017

## PROFESSIONAL SERVICES

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### Journal Reviewers

- IEEE Transactions on Pattern Analysis and Machine Intelligence
- IEEE Transactions on Neural Networks and Learning Systems
- IEEE Transactions on Multimedia
- IEEE Transactions on Circuits and Systems for Video Technology
- The Visual Computer
- Information Sciences

### Conference Reviewers

- ACM International Conference on Multimedia (ACM MM) 2021 - 2022
- Association for the Advancement of Artificial Intelligence (AAAI) 2021 - 2023