HAO TANG

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EDUCATION

Nanjing University of Science and Technology   **Nanjing China**
School of Computer Science and Engineering
Intelligent Media Analysis Group, Ph.D. Candidate   *Sep. 2018 - Now*
Supervised by Prof. Jinhui Tang and Prof. Zechao Li

Harbin Engineering University   **Harbin China**
College of Automation, B.S. in Engineering Science   *Sep. 2014 - Jun. 2018*
Excellent Bachelor Thesis & Excellent Graduate

RESEARCH INTERESTS

Learning From Limited or Dynamic or Imperfect Data

RESEARCH EXPERIENCES

Singapore University of Technology and Design   **Singapore**
Computer Vision & Learning Group, Visiting Ph.D. Student   *Nov. 2022 - May 2023*
Advisor: Prof. Jun Liu

Singapore Management University   **Singapore**
Visual Understanding and Generation Lab, Visiting Ph.D. Student   *Jul. 2023 - Now*
Advisor: Prof. Shengfeng He

SELECTED PUBLICATIONS

ADPS: Asymmetric Distillation Post-Segmentation for Image Anomaly Detection
Peng Xing, Zechao Li, and **Hao Tang**   ***Under Review***, *2023*

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*

Erasing, Transforming, and Noising Defense Network for Occluded Person Re-Identification
Neng Dong, Liyan Zhang, Shuanglin Yan, **Hao Tang**, *and Jinhui Tang*   ***Under Review***, *2023*

Image-Specific Information Suppression and Implicit Local Alignment for Text-based Person Search
Shuanglin Yan, **Hao Tang**, *Liyan Zhang, and Jinhui Tang*   ***Under Review***, *2023*

M^{3}Net: Multi-view Encoding, Matching, and Fusion for Few-shot Fine-grained Action Recognition
Hao Tang, *Jun Liu, Shuanglin Yan, Rui Yan, Zechao Li, and Jinhui Tang*

ACM International Conference on Multimedia (ACM MM) 2023

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*

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
Silver Award at FSL-Based HRCIDA Workshop, ICIG 2021	Aug. 2021
Excellent Ph.D. Students Sponsorship Program of NJUST	Jun. 2021
The First Prize Scholarship of NJUST	Sep. 2018 - 2022
Outstanding Graduates and Excellent Bachelor Thesis Award of HEU	Jun. 2018
The First-class Innovation Scholarship of MIIT (China)	Nov. 2017

PROFESSIONAL SERVICES

Journal Reviewers

- IEEE Transactions on Pattern Analysis and Machine Intelligence

- IEEE Transactions on Image Processing

- IEEE Transactions on Neural Networks and Learning Systems

- IEEE Transactions on Multimedia

- IEEE Transactions on Circuits and Systems for Video Technology

- IEEE Transactions on Biometrics, Behavior, and Identity Science

- Pattern Recognition

- Information Sciences

Conference Reviewers

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