

# SUNCHENG XIANG

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## RESEARCH INTERESTS

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### Machine Learning and Computer Vision

Image Retrieval, Person Re-Identification, Representation Learning

Domain Adaptation, Image Generation, Generative Adversarial Network

## EDUCATION

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**Shanghai Jiao Tong University**, Shanghai, China 2017 - Present

Ph.D in Computer Science and Technology

**National University of Defense Technology**, Changsha, China 2014 - 2017

M.S in Software Engineering

**Changsha University of Science & Technology**, Changsha, China 2010 - 2014

B.S in Electrical Engineering and Automation

## JOURNAL PUBLICATIONS

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1. Multi-level Feature Learning with Attention for Person Re-Identification  
Multimedia Tools and Applications (**MTA**), 2020.  
**Suncheng Xiang**, Yuzhuo Fu, Hao Chen, Wei Ran, Ting Liu
2. Progressive Learning with Style Transfer for Distant Domain Adaptation  
IET Image Processing (**IET-IPR**), 2020.  
**Suncheng Xiang**, Yuzhuo Fu, Ting Liu
3. Unsupervised Person Re-Identification by Hierarchical Cluster and Domain Transfer  
Multimedia Tools and Applications (**MTA**), 2020.  
**Suncheng Xiang**, Yuzhuo Fu, Mingye Xie, Zefang Yu, Ting Liu

## CONFERENCE PUBLICATIONS

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1. Learning from Self-Discrepancy via Multiple Co-teaching for Cross-Domain Person Re-Identification  
International Joint Conference on Artificial Intelligence WSRL Workshop (**IJCAIW**), 2021.  
**Suncheng Xiang**, Yuzhuo Fu, Mengyuan Guan, Ting Liu
2. Attention based Facial Expression Manipulation  
IEEE International Conference on Multimedia and Expo Workshops (**ICMEW**), 2021.  
Feng Wang, **Suncheng Xiang**, Ting Liu, Yuzhuo Fu
3. Taking a Closer Look at Synthesis: Fine-grained Attribute Analysis for Person Re-Identification  
IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP**), 2021.  
**Suncheng Xiang**, Yuzhuo Fu, Guanjie You, Ting Liu
4. Unsupervised Domain Adaptation Through Synthesis for Person Re-Identification  
IEEE International Conference on Multimedia and Expo (**ICME**), 2020.  
**Suncheng Xiang**, Yuzhuo Fu, Guanjie You, Ting Liu

5. Deep Unsupervised Progressive Learning for Distant Domain Adaptation  
IEEE International Conference on Tools with Artificial Intelligence (**ICTAI**), 2019. (**Oral**)  
**Suncheng Xiang**, Yuzhuo Fu, Ting Liu

## **PATENTS**

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1. A Method, Equipment and Storage Medium for Re-Identification of Inland Water Vessels  
Based on Transfer Learning  
CN111259812A, 2020-06-09  
Yuzhuo Fu, Ting Liu, **Suncheng Xiang**

## **AWARDS**

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- Leo KoGuan Scholarship, SJTU, 2019 - 2020
- Merit Student, SJTU, 2018-2019
- First-class Academic Scholarship, NUDT, 2016-2017
- Outstanding Student, NUDT, 2015-2016
- Outstanding Student, NUDT, 2014-2015
- Third-class Academic Scholarship, Outstanding League Cadres, CSUST, 2012-2013
- First-class Academic Scholarship, Merit Student, Model Student of Academic Records, CSUST, 2011-2012
- Third-class Academic Scholarship, Excellent League Member, CSUST, 2010-2011

## **PROFESSIONAL ACTIVITIES**

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### **Journal Review**

IET Image Processing  
IEEE Access  
Signal Processing: Image Communication  
Pattern Recognition

### **Program Committees**

Session Chair of ICTAI 2019

## **SKILLS**

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Programming: Python, MATLAB, C/C++  
Deep Learning: Pytorch, TensorFlow, Caffe

## **COURSES & TEACHING**

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### **Ph.D. Courses Taken:**

- Advanced Computer Architecture
- Neural Network and Machine Learning
- Image Processing and Machine Vision

### **Teaching Assistant:**

- Digital Integrated Circuits (Lead TA, Spring 2018)

- Operating System (Lead TA, Fall 2018)
- Digital Integrated Circuits (Lead TA, Fall 2020)

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