

Assistant Professor LI, NANNAN

School of Computer Science and Engineering, Faculty of Innovation Engineering
Macau University of Science and Technology

Office: A302

Tel.: +853-8897 3039

E-mail: nnli@must.edu.mo



Academic Qualification

Ph.D. in Pattern Recognition and Intelligent Systems, University of Chinese Academy of
M.S. in Opto-electronic Engineering, Hefei University of Technology, China, 2011.
B.S. in Optical Information Science and Technology, Hefei University of Technology,

Teaching Area

Digital Image Processing
Computer Vision

Research Area

Video Content Analysis and Understanding
Multi-modal Learning
Vision for Robotics
3D Reconstruction and Generation

Working Experience

Mar 2021 - Present, Assistant Professor, School of Computer Science and Engineering, Macau
University of Science and Technology, Macau.
Mar 2018 - Mar 2021, Director of Computer Vision R&D, Longgang Institutes of Intelligent Video
and Audio Technology, China.

Academic Publication

Fuqin Deng, Jiaming Zhong, **Nannan Li**, Lanhui Fu, Dong Wang, and Tin Lun Lam, "Exploring
Cross-video Matching for Few-shot Video Classification via Dual-Hierarchy Graph Neural Network
Kan Huang, Chunwei Tian, Zhijing Xu, **Nannan Li**, Jerry Chun-Wei Lin, "Motion Context guided
Edge-preserving Network for Video Salient Object Detection", *Expert Systems with Applications*,
Ruo Chen Li, **Nannan Li** and Wenmin Wang, "Maximizing Mutual Information Inside Intra- and inter-
modality for Audio-visual Event Retrieval", *International Journal of Multimedia Information*
Nannan Li, Jiaying Zhong, Xiujun Shu, and Huiwen Guo, "Weakly-supervised Anomaly Detection
in Video Surveillance via Graph Convolutional Label Noise Cleaning", *Neurocomputing*, 2021.
Jingjia Huang, **Nannan Li**, Thomas Li, Shan Liu and Ge Li, "Spatial-Temporal Context-Aware
Online Action Detection and Prediction", *IEEE Transactions on Circuits and Systems for Video*
Jia-xing Zhong, **Nannan Li**, Weijie Kong, Shan Liu, Thomas H.Li, and Ge Li, "Graph Convolutional
Label Noise Cleaner: Train a Plug-and-play Action Classifier for Anomaly Detection", *International
Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019.
Jingjia Huang, Zhangheng Li, **Nannan Li**, Shan Liu and Ge Li, "AttPool: Towards Hierarchical
Feature Representation in Graph Convolutional Networks via Attention Mechanism", *International*

Jingjia Huang, **Nannan Li**, Tao Zhang, Ge Li, Tiejun Huang, Wen Gao, "SAP: Self-Adaptive Proposal Model for Temporal Action Detection based on Reinforcement Learning," *In AAAI*

Jingjia Huang, **Nannan Li**, Jiaxing Zhong, Thomas Li, and Ge Li, "Online Action tube Detection via Resolving the Spatio-temporal Context Pattern", *ACM Multimedia*, 2018.

Jiaxing Zhong, **Nannan Li**, Weijie Kong, Tao Zhang, Thomas Li and Ge Li, "Step-by-step Erasion, One-by-one Collection: A Weakly Supervised Temporal Action Detector", *ACM Multimedia*, 2018.

Nannan Li, Dan Xu, Zhenqiang Ying, Zhihao Li, and Ge Li, "Searching Action Proposals via Spatial Actionness Estimation and Temporal Path Inference and Tracking", *Asian Conference on*

Nannan Li, Huiwen Guo, Dan Xu, Xinyu Wu, "Multi-scale Analysis Of Contextual Information Within Spatio-temporal Video Volumes for Anomaly Detection", *International Conference on Image*