

Zhongwen XU

EDUCATION AND RESEARCH EXPERIENCE

- FEB 2015 – NOW Ph.D. candidate
University of Technology Sydney
Advisor: Prof. Yi Yang
- FEB 2017 - MAY 2017 Research Intern
DeepMind
Hosts: Dr. Hado van Hasselt and Dr. David Silver
- JAN 2016 - JUNE 2016 Research Intern
Google Brain
Hosts: Dr. Pierre Sermanet and Dr. George Toderici
- MAY 2014 – SEPT 2014 Visiting Scholar
Carnegie Mellon University
Host: Dr. Alexander G. Hauptmann
- OCT 2013 – JAN 2015 Ph.D. candidate
The University of Queensland
Advisor: Dr. Yi Yang
- MAY 2012 – NOV 2012 Visiting Scholar
Carnegie Mellon University
Hosts: Dr. Alexander G. Hauptmann and Dr. Yi Yang
- NOV 2013 – APRIL 2014 Research Engineer
National University of Singapore
Host: Prof. Shuicheng Yan
- SEPT 2009 – JULY 2013 Bachelor Student
Zhejiang University
Overall GPA: 3.9/4.0

PUBLICATIONS

Few-Shot Object Recognition from Machine-Labeled Web Images
Zhongwen Xu, Linchao Zhu and Yi Yang
CVPR 2017 (Spotlight)

Bidirectional Multirate Reconstruction for Temporal Modeling in Videos
Linchao Zhu, **Zhongwen Xu** and Yi Yang
CVPR 2017 (Spotlight)

Hierarchical Recurrent Neural Encoder for Video Representation with
Application to Captioning
Pingbo Pan, **Zhongwen Xu**, Yi Yang, Fei Wu and Yueting Zhuang
CVPR 2016

A Discriminative CNN Video Representation for Event Detection
Zhongwen Xu, Yi Yang and Alexander G. Hauptmann
CVPR 2015

Content-Based Video Search over 1 Million Videos with 1 Core in 1 Second
Shou-I Yu, Lu Jiang, **Zhongwen Xu**, Yi Yang and Alexander G. Hauptmann
ICMR 2015

Event Detection using Multi-Level Relevance Labels and Multiple Features
Zhongwen Xu, Ivor W. Tsang, Yi Yang, Zhigang Ma and Alexander G. Hauptmann
CVPR 2014

Feature Weighting via Optimal Thresholding for Video Analysis
Zhongwen Xu, Yi Yang, Ivor W. Tsang, Nicu Sebe and Alexander G. Hauptmann
ICCV 2013

How Related Exemplars Help Complex Event Detection in Web Videos?
Yi Yang, Zhigang Ma, **Zhongwen Xu**, Shuicheng Yan and Alexander G. Hauptmann
ICCV 2013

Complex Event Detection via Multi-Source Video Attributes
Zhigang Ma, Yi Yang, **Zhongwen Xu**, Nicu Sebe, Shuicheng Yan and A. G. Hauptmann
CVPR 2013

We Are Not Equally Negative: Fine-grained Labeling for Multimedia Event Detection
Zhigang Ma, Yi Yang, **Zhongwen Xu**, Alexander G. Hauptmann
ACM Multimedia 2013

UTS-CMU at THUMOS 2015
Zhongwen Xu, Linchao Zhu, Yi Yang and Alexander G. Hauptmann
THUMOS Challenge 2015 Workshop

Cross-media Relevance Mining for Evaluating Text-based Image Search Engine
Zhongwen Xu, Yi Yang, Ashraf Kassim and Shuicheng Yan
MSR-Bing Image Retrieval Grand Challenge 2014 Workshop

Informedia @TRECVID 2014 MED and MER
Shou-I Yu, Lu Jiang, **Zhongwen Xu**, *et al.* and Alexander G. Hauptmann
TRECVID Video Retrieval Evaluation Workshop, NIST, 2015

AWARDS

First Place Winner in THUMOS Challenge 2015
First Place Winner in MSR-Bing Image Retrieval Grand Challenge Competition 2014
First Place Winner in TRECVID Multimedia Event Detection Competition 2014
First Place Winner in TRECVID Multimedia Event Detection Competition 2012
Top 100 undergraduate thesis award in Zhejiang University (100/5000)
International Postgraduate Research Scholarship (IPRS)¹ in Australia

¹The most prestigious scholarship for postgraduates in Australia, with only 200 recipients from all disciplines.