Yongxin Wang
Curriculum Vitae

PERSONAL DETAILS

Address	Jinan, China
Phone	+86-18766172627
E-mail	yxinwang@hotmail.com
Website	https://yxinwang.github.io

EDUCATION

- **Ph.D. Computer Science**   `2017-2021`
  Shandong University
  Advisor: Prof. Xin-Shun Xu

- **M.S. Computer Science**   `2014-2017`
  Shandong Normal University
  Advisor: Prof. Huaxiang Zhang

- **B.A. Computer Science**   `2010-2014`
  Shandong Normal University
  Thesis Advisor: Prof. Huaxiang Zhang

RESEARCH INTERESTS

- ***Machine Learning:*** *feature learning, hashing, metric learning*
- ***Computer Vision:*** *multi-media retrieval, image classification*

SELECTED PUBLICATIONS

- **Label embedding online hashing for cross-modal retrieval.** [pdf] [code]
  - Yongxin Wang, Xin Luo, and Xin-Shun Xu.
  - Proc. ACM Multimedia Conf. (ACM MM), 2020, pp. 871-879.
  - CCF-A Conference, full paper, oral.

- **Supervised hierarchical deep hashing for cross-modal retrieval.** [pdf] [code]
  - Yu-Wei Zhan, Xin Luo, Yongxin Wang, and Xin-Shun Xu.
  - Proc. ACM Multimedia Conf. (ACM MM), 2020, pp. 3386-3394.
  - CCF-A Conference, full paper, spotlight.

- **BATCH: A scalable asymmetric discrete cross-modal hashing.** [pdf] [code]
  - Yongxin Wang, Xin Luo, Liqiang Nie, Jingkuan Song, Wei Zhang, and Xin-Shun Xu.
  - IEEE Transactions on Knowledge and Data Engineering (TKDE), 2020.
  - CCF-A Journal, SCI JCR Q1, IF=4.935.

- **A two-step cross-modal hashing by exploiting label correlations and preserving similarity in both steps.** [pdf]
  - Zhen-Duo Chen, Yongxin Wang, Hui-Qiong Li, Xin Luo, Liqiang Nie, Xin-Shun Xu.
  - Proc. ACM Multimedia Conf. (ACM MM), 2019, pp. 1694–1702.
  - CCF-A Conference, full paper, oral.

- **SDMCH: Supervised discrete manifold-embedded cross-modal hashing.** [pdf]
  - Xin Luo, Xiao-Ya Yin, Liqiang Nie, Xuemeng Song, <u>Yongxin Wang</u>, Xin-Shun Xu.
  - Proc. Int. Joint Conf. Artif. Intell. (IJCAI), 2018, pp. 2518–2524.
  - CCF-A Conference, full paper, oral.
- **Sparse manifold embedded hashing for multimedia retrieval.** [pdf]
  - <u>Yongxin Wang</u>, Xin Luo, Huaxiang Zhang, and Xin-Shun Xu.
  - Proc. Int. Conf. Data Eng. Workshops (ICDEW), 2019, pp. 312–318.
  - CCF-A Conference Workshops, full paper.
- **A weighted sparse neighbourhood-preserving projections for face recognition.**
  - <u>Yongxin Wang</u>, Huaxiang Zhang, and Feng Yang.
  - IETE Journal of Research, vol. 63, no. 3, pp. 358-367, 2017.
  - SCI JCR Q3, IF=1.125.

SUBMITTED & PREPRINTS

- **Fast cross-modal hashing with global and local similarity embedding.**
  - <u>Yongxin Wang</u>, Zhen-Duo Chen, Xin Luo, Rui Li, and Xin-Shun Xu.
  - Submitted to IEEE Trans. Cybern., 2020. Major revision.
  - CCF-B Journal, SCI JCR Q1, IF=11.079.
- **High-dimensional sparse cross-modal hashing with fine-grained similarity embedding.**
  - <u>Yongxin Wang</u>, Zhen-Duo Chen, Xin Luo, and Xin-Shun Xu.
  - Submitted to Proc. World Wide Web Conf. (WWW), 2021. Three positive reviews.
  - CCF-A Conference, full paper.
- **Fine-grained hashing with double filtering.**
  - Zhen-Duo Chen, Xin Luo, <u>Yongxin Wang</u>, Shanqing Guo, and Xin-Shun Xu.
  - Submitted to IEEE Trans. Image Process. (TIP), 2020. Under review.
  - CCF-A Journal, SCI JCR Q1, IF=9.340.
- **Weakly-supervised online hashing.**
  - Yu-Wei Zhan, Xin Luo, Yu Sun, <u>Yongxin Wang</u>, Zhen-Duo Chen, and Xin-Shun Xu.
  - Submitted to Proc. Int. Conf. Multimedia and Expo. (ICME), 2021. Under review.
  - CCF-B Conference, full paper.

ONGOING WORK

- **Histological image analysis.**
- **Cross-modal hashing.**

AWARDS

- *First Class of Academic Scholarship, Shandong University*, 2020
- *Outstanding Graduate of Shandong Province*, 2017
- *The Academic Top Ten of Shandong Normal University*, 2017
- *First Class of Academic Scholarship, Shandong Normal University*, 2016
- *First Class of Academic Scholarship, Shandong Normal University*, 2015
- *Outstanding academic papers of 2014, Shandong Computer Society*, 2014
- *National Encouragement Scholarship, Shandong Normal University*, 2012

SKILLS

- ***Languages:*** *Chinese (native), English (fluent)*
- ***Software:*** MATLAB, *Python, PyTorch, C++, LATEX*
- ***Others:*** *Graphic Design, Cooking, Badminton*