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RESEARCH INTEREST

Large-Scale Cross-Modal Retrieval, Computer Vision, Cross-Modal Learning, Deep Learning, Adversarial Learning.

EDUCATION

Xidian University   Sep. 2016 – Dec. 2020
Ph.D. in Electronic Engineering   Prof. Deng Cheng

University of Pittsburgh   Jan. 2019 – Jan. 2021
Visiting Student   Prof. Heng Huang

Xidian University   Sep. 2014 – Sep. 2016
Master in Electronic Engineering   Prof. Deng Cheng

Inner Mongolia University of Science&Technology   Sep. 2010 – Jul. 2014
B.E. in Information Engineering   Baotou, Inner Mongolia

PUBLICATIONS [GOOGLE SCHOLAR]

[1] **C. Li**, H. Tang, C. Deng, L. Zhan, and W. Liu, "Vulnerability vs. reliability: Disentangled adversarial examples for cross-modal learning", in *Proceedings of the 26th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD)*, 2020, pp. 421–429.

[2] **C. Li**, S. Gao, C. Deng, D. Xie, and W. Liu, "Cross-modal learning with adversarial samples", in *Advances in Neural Information Processing Systems (NeurIPS)*, 2019, pp. 10 792–10 802.

[3] **C. Li**, C. Deng, L. Wang, D. Xie, and X. Liu, "Coupled cyclegan: Unsupervised hashing network for cross-modal retrieval", in *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, vol. 33, 2019, pp. 176–183.

[4] **C. Li**, C. Deng, N. Li, W. Liu, X. Gao, and D. Tao, "Self-supervised adversarial hashing networks for cross-modal retrieval", in *Proceedings of the IEEE conference on computer vision and pattern recognition (CVPR)*, 2018, pp. 4242–4251.

[5] R. Xu, **C. Li**, J. Yan, C. Deng, and X. Liu, "Graph convolutional network hashing for cross-modal retrieval", in *Proceedings of the 28th International Joint Conference on Artificial Intelligence (IJCAI)*, AAAI Press, 2019, pp. 982–988.

[6] N. Li, **C. Li**, C. Deng, X. Liu, and X. Gao, "Deep joint semantic-embedding hashing", in *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI)*, 2018, pp. 2397–2403.

[7] Z. Li, **C. Li**, C. Deng, and J. Li, "Hyperspectral image super-resolution using sparse spectral unmixing and low-rank constraints", in *2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, IEEE, 2016, pp. 7224–7227.

[8] D. Xie, C. Deng, **C. Li**, X. Liu, and D. Tao, "Multi-task consistency-preserving adversarial hashing for cross-modal retrieval", *IEEE Transactions on Image Processing*, vol. 29, pp. 3626–3637, 2020.

[9] C. Deng, X. Liu, **C. Li**, and D. Tao, "Active multi-kernel domain adaptation for hyperspectral image classification", *Pattern Recognition*, vol. 77, pp. 306–315, 2018.

[10] E. Yang, C. Deng, **C. Li**, W. Liu, J. Li, and D. Tao, "Shared predictive cross-modal deep quantization", *IEEE transactions on neural networks and learning systems*, vol. 29, no. 11, pp. 5292–5303, 2018.

[11] D. Xie, C. Deng, H. Wang, **C. Li**, and D. Tao, "Semantic adversarial network with multi-scale pyramid attention for video classification", in *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, vol. 33, 2019, pp. 9030–9037.

[12] C. Deng, Y. Xue, X. Liu, **C. Li**, and D. Tao, "Active transfer learning network: A unified deep joint spectral–spatial feature learning model for hyperspectral image classification", *IEEE Transactions on Geoscience and Remote Sensing*, vol. 57, no. 3, pp. 1741–1754, 2018.

PROFESSIONAL SERVICES

JOURNAL REVIEWER

- Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)

- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)

- Neurocomputing

CONFERENCE REVIEWER

- IEEE IEEE Conference on Computer Vision and Pattern Recognition (CVPR' 2019 2020)

- The International Conference on Computer Vision (ICCV' 2019)

- European Conference on Computer Vision (ECCV' 2020)

- The AAAI Conference on Artificial Intelligence (AAAI' 2019 2020 2021)

- The International Joint Conference on Artificial Intelligence (IJCAI' 2019 2020 2021)

PATENTS

- Chao Li. 2016. A Hyperspectral Image Classification Method. China Patent ZL201610872312.0 filed September 30, 2016, and issued September 24, 2019.