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EDUCATION

Beijing University of Posts and Telecommunications (BUPT) , Beijing, China

- Ph.D. in Information and Communication Engineering — Sep 2019 –
  - Adviser: Prof. Zhanyu Ma
  - Focus: Fine-Grained Image Analysis, Domain adaptation.
- Visiting Student — Apr 2017 – Sep 2019
  - Adviser: Prof. Zhanyu Ma

Lanzhou University of Technology (LUT) , Lanzhou, China

- M.E. in IOT Engineering — Sep 2016 – Jun 2019
  - Adviser: Prof. Xiaoxu Li

Zhoukou Normal University (ZKNU), Zhoukou, China

- B.E. in Network Engineering — Sep 2012 – Jun 2016
  - Adviser: Prof. Qi Wang

PUBLICATIONS

INTERNATIONAL JOURNAL

[5] Dongliang Chang, Yifeng Ding, Jiyang Xie, Ayan Kumar Bhunia, Xiaoxu Li, Zhanyu Ma*, Ming Wu, Jun Guo, and Yi-Zhe Song, "The Devil is in the Channels: Mutual-Channel Loss for Fine-Grained Image Classification," *IEEE Transactions on Image Processing*, vol. 29, pp. 19572–19578, 2020.

[4] Xiaoxu Li*, Dongliang Chang, Tao Tian, and Jie Cao, "Large-margin Regularized Softmax Cross-Entropy Loss," *IEEE Access*, vol. 12, pp. 330–352, 2019.

[3] Zhanyu Ma*, Dongliang Chang, Jiyang Xie, Yifeng Ding, Shaoguo Wen, Xiao-Xu Li, Zhongwei Si, and Jun Guo , "Fine-Grained Vehicle Classification with Channel Max Pooling Modified CNNs," *IEEE Transactions on Vehicular Technology*, vol. 68, pp. 3224–3233, Apr 2019.

[2] Xiaoxu Li*, Liyun Yu, Dongliang Chang, Zhanyu Ma*, and Jie Cao, "Dual Cross-Entropy Loss for Small-Sample Fine-Grained Vehicle Classification," *IEEE Transactions on Vehicular Technology*, vol. 68, pp. 4204–4212, May 2019.

[1] Luyao Liu, Yi Zhao, Dongliang Chang, Jiyang Xie, Zhanyu Ma*, Qie Sun*, Hongyi Yin*, and Ronald Wennersten, "Prediction of short-term PV power output and uncertainty analysis," *Applied Energy*, vol. 228, pp. 700–711, Oct 2018.

INTERNATIONAL CONFERENCE

[8] Yixiao Zheng, Dongliang Chang, Jiyang Xie, and Zhanyu Ma*, "IU-Module: Intersection and Union Module for Fine-Grained Visual Classificatione," in *Proceedings of IEEE International Conference on Multimedia and Expo (ICME)*, 2020.

[7] Xinran Wei, Dongliang Chang, Jiyang Xie, Yixiao Zheng, Chen Gong, Chuang Zhang, and Zhanyu Ma, "FICAL: Focal Inter-Class Angular Loss for Image Classification," in *Proceedings of IEEE International Conference on Visual Communications and Image Processing (VCIP)*, 2019.

[6] Lu Cheng, Dongliang Chang*, Jiyang Xie, Rongliang Ma, Chunsheng Wu, and Zhanyu Ma , "Channel Max Pooling for Image Classification," in *Proceedings of International Conference on Intelligence Science and Big Data Engineering (IScIDE)*, 2019.

[5] Jie Cao, Yinping Qiu, Dongliang Chang, Xiaoxu Li*, and Zhanyu Ma* , "Dynamic Attention Loss for Small-sample Image Classificationy," in *Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA)*, 2019.

[4] Xiaoxu Li, Jijie Wu, Dongliang Chang, Zhanyu Ma*, and Jie Cao*, "Mixed Attention Mechanism for Small-Sample Fine-grained Image Classification," in *Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA)*, 2019.

[3] Xiaoxu Li, Liyun Yu, Dongliang Chang, Zhanyu Ma*, and Jie Cao* , "Small-Sample Image Classification Method of Combining Prototype and Margin Learning," in *Proceedings of The 11th Annual Conference Organized by Asia-Pacific Signal and Information Processing Association (APSIPA),* 2019.

[2] Dongliang Chang, Xiaoxu Li*, Jiyang Xie, Zhanyu Ma, Jun Guo, and Jie Cao , "SSE: A new selective initialization strategy for Snapshot Ensembling," in *Proceedings of IEEE International Conference on Cloud Computing and Intelligence Systems (CCIS),* 2018.

[1] Jie Cao*, Zhe Su, Liyun Yu, Dongliang Chang, Xiaoxu Li , and Zhanyu Ma , "Softmax Cross Entropy Loss with Unbiased Decision Boundary for Image Classificatio," in *Proceedings of Chinese Automation Congress(CAC),* 2018.

AWARDS & SCHOLARSHIPS

- BUPT Outstanding Ph.D Student Reserve Scholarship   2019

SERVICESS   **Reviewer:** IEEE Transactions on Vehicular Technology 2019, 2020

[*CV compiled on 2020-03-30*]