

# Dongliang Chang

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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 Classification,” 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 Classification,” 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

**SERVICISS**

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

[CV compiled on 2020-03-30 for BUPT]