Guangrui Li

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EDUCATION

University of Technology Sydney   Sydney, Australia
Ph.D. Candidate in Computer Science (Advisor: Prof. Yi Yang)   *July 2019 – Now*

Chongqing University   Chongqing, China
B.E. in Software Engineering   *Sep. 2014 – June 2018*

PROFESSIONAL EXPERIENCE

Baidu Research   Beijing, China
Research Intern (Host: Dr. Yifan Sun)   *Sep 2021 – Aug 2022*

RESEARCH INTEREST

Generalization of vision structures including rigid structures and non-rigid structures.

Open-world learning in computer vision for generalizing to novel semantic spaces.

PUBLICATIONS

1. Content-Consistent Matching for Domain Adaptive Semantic Segmentation
   European Conference on Computer Vision (**ECCV**), 2020. [**CORE A***]
   Guangrui Li, Guoliang Kang, Wu Liu, Yunchao Wei, and Yi Yang

2. Domain Consensus Clustering for Universal Domain Adaptation
   IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021. [**CORE A***]
   Guangrui Li, Guoliang Kang, Yi Zhu, Yunchao Wei, and Yi Yang

3. VSPW: A Large-scale Dataset for Video Scene Parsing in the Wild
   IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021. [**CORE A***]
   Jiaxu Miao, Yunchao Wei, Yu Wu, Chen Liang, Guangrui Li, Yi Yang

4. Decompose to Generalize: Species-Generalized Animal Pose Estimation
   International Conference on Learning Representations (**ICLR**), 2023. [**CORE A***]
   Guangrui Li, Yifan Sun, Zongxin Yang, and Yi Yang

5. Adversarially Masking Synthetic to Mimic Real: Adaptive Noise Injection for Point Cloud Segmentation Adaptation
   [Under Review]
   IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023. [**CORE A***]
   Guangrui Li, Guoliang Kang, Xiaohan Wang, Yunchao Wei, and Yi Yang

6. Construct to Associate: Cooperative Context Learning for Domain Adaptive Point Cloud Segmentation [Under Review]
   IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023. [**CORE A***]
   Guangrui Li, Guoliang Kang, Yunchao Wei, and Yi Yang

ACADEMIC SERVICES

Reviewer of IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
Reviewer of IEEE Transactions on Knowledge and Data Engineering (TKDE)
Reviewer of IEEE Transactions on Image Processing (TIP)
Reviewer of Elsevier Knowledge-Based Systems (KBS)

SKILLS

Programming: Python (Numpy, Pytorch, Caffe), C/C++, Shell, LaTeX.
Languages: Native in Chinese (Mandarin), Fluent in English.