Youwei Pang

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🎓 Education

Dalian University of Technology (DUT), Liaoning, China   2019 – Present
Ph.D in Signal and Information Processing

Dalian University of Technology (DUT), Liaoning, China   2015 – 2019
B.E. in Electronic Information Engineering

📕 Publications

Self-Supervised Representation Learning for RGB-D Salient Object Detection   2022
*Xiaoqi Zhao, **Youwei Pang**, Lihe Zhang(✉), Huchuan Lu, Xiang Ruan* ✎ AAAI
KEYWORDS: RGB-D Salient Object Detection, Self-Supervised Learning
- 📄: https://arxiv.org/abs/2101.12482
- git: https://github.com/Xiaoqi-Zhao-DLUT/SSLSOD

Multi-Source Fusion and Automatic Predictor Selection for Zero-Shot Video Object Segmentation   2021
*Xiaoqi Zhao, **Youwei Pang**, Jiaxing Yang, Lihe Zhang(✉), Huchuan Lu* ✎ ACMMM **ORAL**
KEYWORDS: Zero-Shot Video Object Segmentation, Multi-Source Fusion, Automatic Selection Predictor
- 📄: https://arxiv.org/abs/2108.05076
- git: https://github.com/Xiaoqi-Zhao-DLUT/Multi-Source-APS-ZVOS

Hierarchical Dynamic Filtering Network for RGB-D Salient Object Detection   2020
***Youwei Pang**, Lihe Zhang(✉), Xiaoqi Zhao, Huchuan Lu* ✎ ECCV
KEYWORDS: RGB-D Salient Object Detection, Multi-Scale Structure, Dynamic Filtering Network
- 📄: https://arxiv.org/abs/2007.06227
- git: https://github.com/lartpang/HDFNet

Suppress and Balance: A Simple Gated Network for Salient Object Detection   2020
*Xiaoqi Zhao, **Youwei Pang**, Lihe Zhang(✉), Huchuan Lu, Lei Zhang* ✎ ECCV **ORAL**
KEYWORDS: RGB Salient Object Detection, Gating Mechanism
- 📄: https://arxiv.org/abs/2007.08074
- git: https://github.com/Xiaoqi-Zhao-DLUT/GateNet-RGB-Saliency

A Single Stream Network for Robust and Real-time RGB-D Salient Object Detection   2020
*Xiaoqi Zhao, Lihe Zhang(✉), **Youwei Pang**, Huchuan Lu, Lei Zhang* ✎ ECCV
KEYWORDS: RGB-D Salient Object Detection, Multi-Scale Structure, Attention Mechanism
- 📄: https://arxiv.org/abs/2007.06811
- git: https://github.com/Xiaoqi-Zhao-DLUT/DANet-RGBD-Saliency

Multi-Scale Interactive Network for Salient Object Detection   2020
***Youwei Pang**, Xiaoqi Zhao, Lihe Zhang(✉), Huchuan Lu* ✎ ECCV
KEYWORDS: RGB Salient Object Detection, Multi-Scale Interactive Structure
- 📄: https://arxiv.org/abs/2007.09062
- git: https://github.com/lartpang/MINet

⚙ Skills

- Programming Languages: Python ≫ Matlab > C, C++
- Platforms: Linux, Windows
- Frameworks: PyTorch

♡ Honors and Awards

7th Prize (7/77), Award on VisDrone 2021 Crowd Counting Challenge (ICCV 2021 Workshop)   2021
7th Prize (7/114), Award on Hualu Cup's first big data competition (intelligent diagnosis of cancer risk)   2020
3rd Prize (3/456), Award on OPPO Top AI Competition (portrait segmentation)   2018

▤ Miscellaneous

- ⌂: https://github.com/lartpang
- ▨: Mandarin - Native speaker, English - Fluent