VALSE 2018 资料（极市开发者提供，仅限分享）

四月 20 日（周五）上午 (8:00 – 12:00) 星海会展中心 8 号会议室 PPT 和论文汇总

报告安排

- 程明明：Learning Pixel Accurate Image Semantics from Web

- 刘偲：图像理解与编辑

- 魏云超：Towards Weakly- and Semi- Supervised Object Localization and Semantic Segmentation

- 王兴刚：Weakly-Supervised Semantic Segmentation Network with Deep Seeded Region Growing

- 董超：Semantic image super-resolution and Reinforcement learning based image restoration

  （**PPT 已下载，可以直接使用**）

相关论文

- Deeply supervised salient object detection with short connections, Q Hou, MM Cheng, X Hu, Z Tu, A Borji, Z Tu, P Torr, IEEE CVPR, 2017. (**华为 Mate 10，荣耀 V 10 产品发布会展示**)

- Surveillance Video Parsing with Single Frame Supervision, S Liu, C Wang, R Qian, H Yu, R Bao, Y Sun, CVPR 2017 **（第一个在监控视频中做人像解析的实时算法）**

- Richer Convolutional Features for Edge Detection, Y Liu, MM Cheng, X Hu, K Wang, X Bai, IEEE CVPR, 2017. (**第一个在最流行的 BSD500 数据集上超过人工标注的实时算法**)

- [Global Contrast based Salient Region Detection](). Ming-Ming Cheng, Niloy J. Mitra, Xiaolei Huang, Philip H. S. Torr, Shi-Min Hu. IEEE TPAMI, 2015. (**2000+次他引**)

- [Image Super-Resolution Using Deep Convolutional Networks](), C Dong, C Loy, K He, X Tang, IEEE TPAMI, 2016. (**600+次他引**)

- [Pyramid Scene Parsing Network](), H Zhao, J Shi, X Qi, X Wang, J Jia. IEEE CVPR, 2017. (**ImageNet 场景理解竞赛冠军，130+次他引**)

- STC: A Simple to Complex Framework for Weakly-supervised Semantic Segmentation. TPAMI 2017

- Object Region Mining with Adversarial Erasing: A Simple Classification to Semantic Segmentation Approach. CVPR 2017

- Transferable Semi-supervised Semantic Segmentation. AAAI 2018

- Revisiting Dilated Convolution: A Simple Approach for Weakly- and Semi-Supervised Semantic Segmentation. CVPR 2018

- Adversarial Complementary Learning for Weakly Supervised Object Localization. CVPR 2018

- Weakly-Supervised Semantic Segmentation Network with Deep Seeded Region Growing. CVPR 2018.

资源来源： **https://mmcheng.net/pixelund/**
感谢极市开发者群的网友 **@ IGI** 提供。