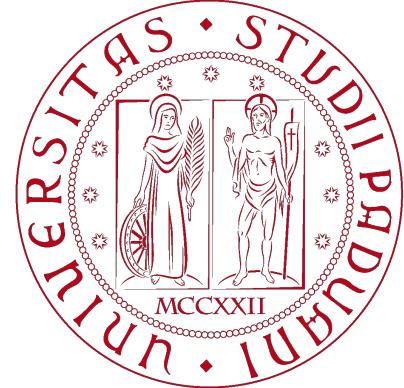




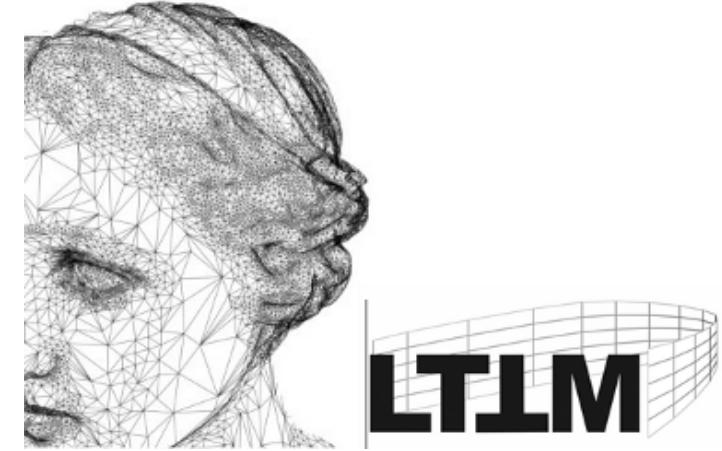
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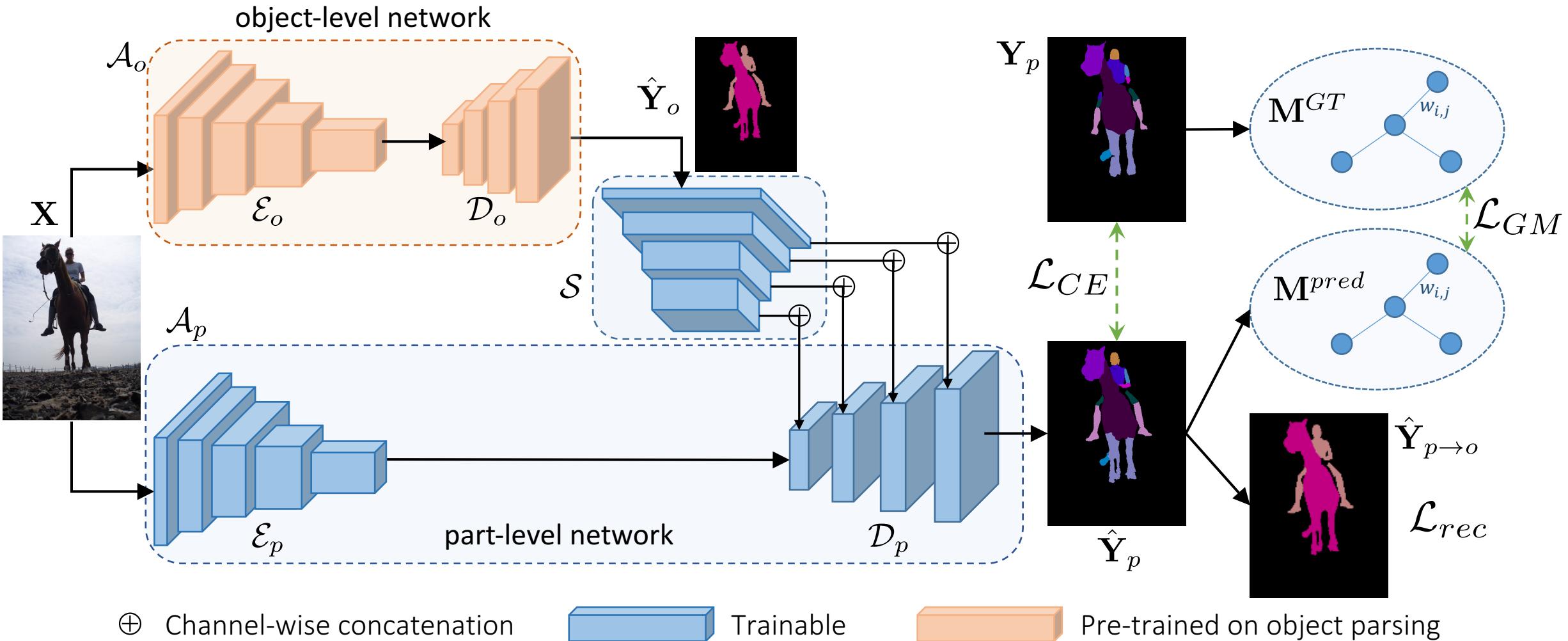


GMNet: Graph Matching Network for Large Scale Part Semantic Segmentation in the Wild

Umberto Michieli, Edoardo Borsato, Luca Rossi, Pietro Zanuttigh

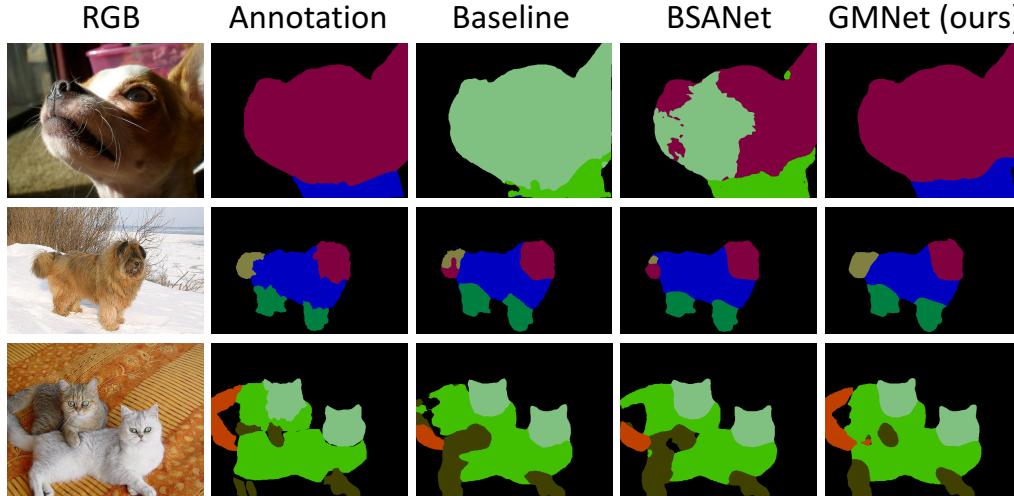
umberto.michieli@dei.unipd.it

GMNet Architecture



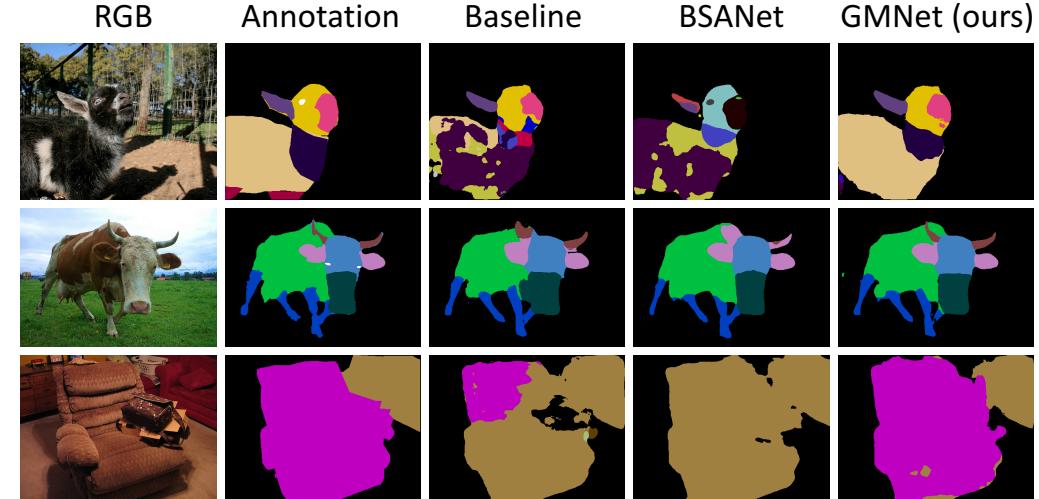
Experiments

Pascal-Part-58



Method	mIoU	Avg.
BSANet*	58.2	58.9
Baseline	54.4	55.7
GMNet (ours)	59.0	61.8

Pascal-Part-108



Method	mIoU	Avg.
BSANet*	42.9	46.3
Baseline	41.3	43.7
GMNet (ours)	45.8	50.5

* only other method for multi-class part parsing. Same architecture (DeepLab v3+, ResNet-101), same learning parameters.

Zhao et al., "Multi-Class Part Parsing with Joint Boundary-Semantic Awareness", ICCV 2019

Michieli et al., "GMNet: Graph Matching Network for Large Scale Part Semantic Segmentation in the Wild," ECCV, 2020. https://lttm.dei.unipd.it/paper_data/GMNet

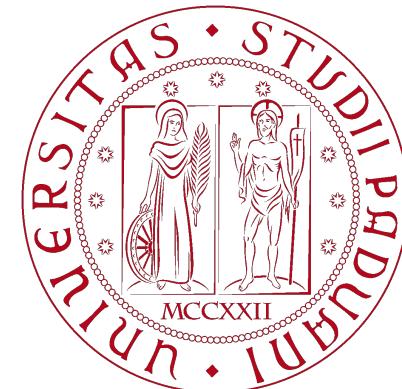
Paper website: https://lstm.dei.unipd.it/paper_data/GMNet

Code: <https://github.com/LTM/GMNet>

ArXiv: <https://arxiv.org/abs/2007.09073>

Contact: umberto.michieli@dei.unipd.it

Michieli U., Borsato E., Rossi L. and Zanuttigh P., "GMNet: Graph Matching Network for Large Scale Part Semantic Segmentation in the Wild," ECCV 2020.



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