

Scene Understanding

5 Scene Graph in Computer Vision

Scene Understanding

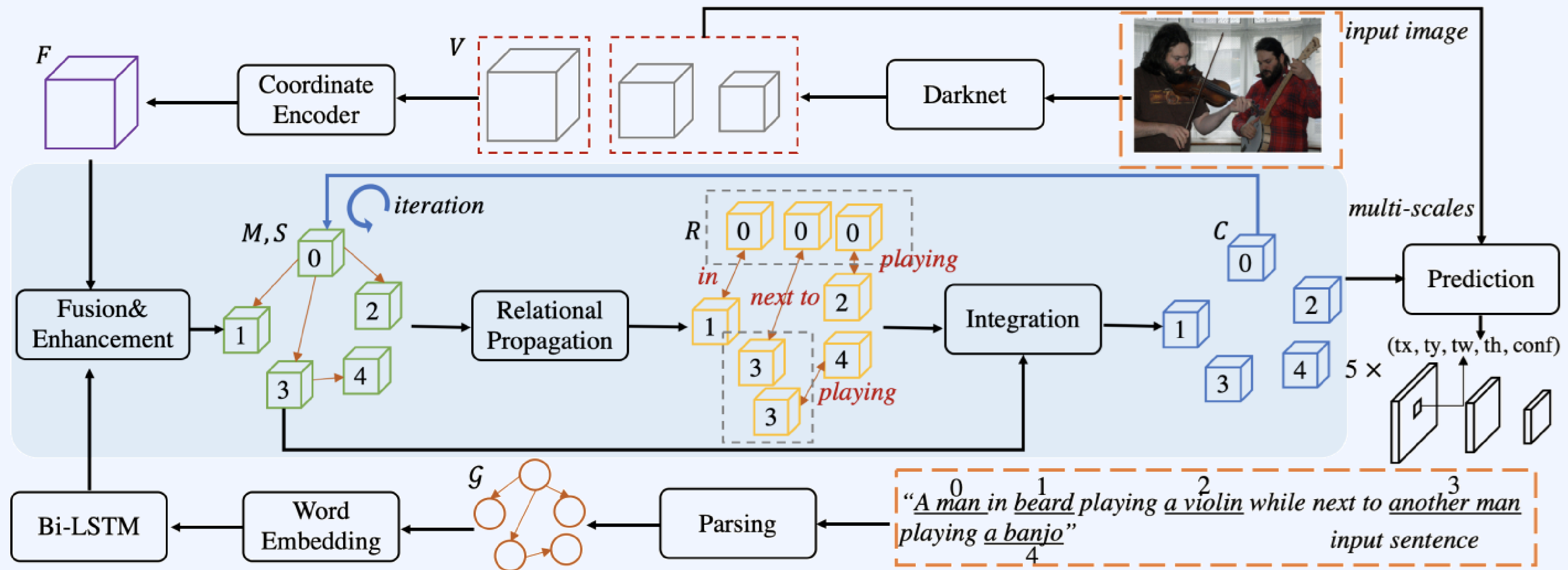
Scene Graph in Computer Vision

5.

Scene Graph
In Computer Vision

S. Yang et al. Propagating Over Phrase Relations for One-Stage Visual Grounding. ECCV

LSPN



Scene Understanding

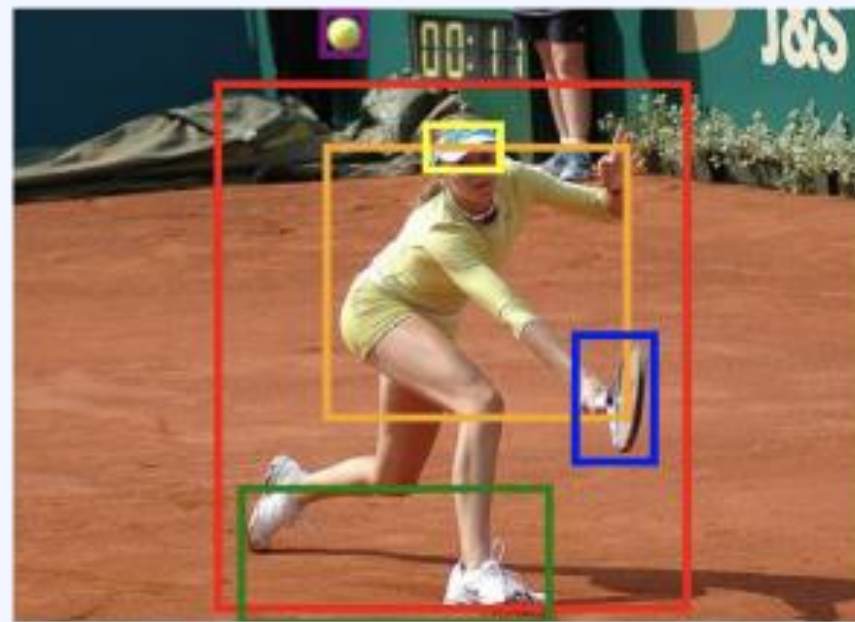
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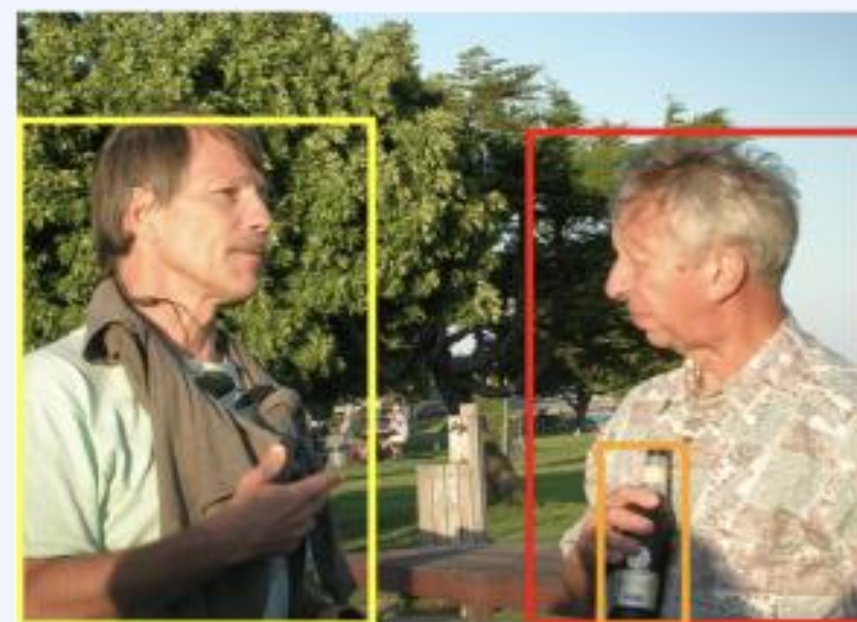
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S. Yang et al. Propagating Over Phrase Relations for One-Stage Visual Grounding. ECCV

LSPN



(a) A girl in a yellow tennis suit, green visor and white tennis shoes holding a tennis racket in a position where she is going to hit the tennis ball



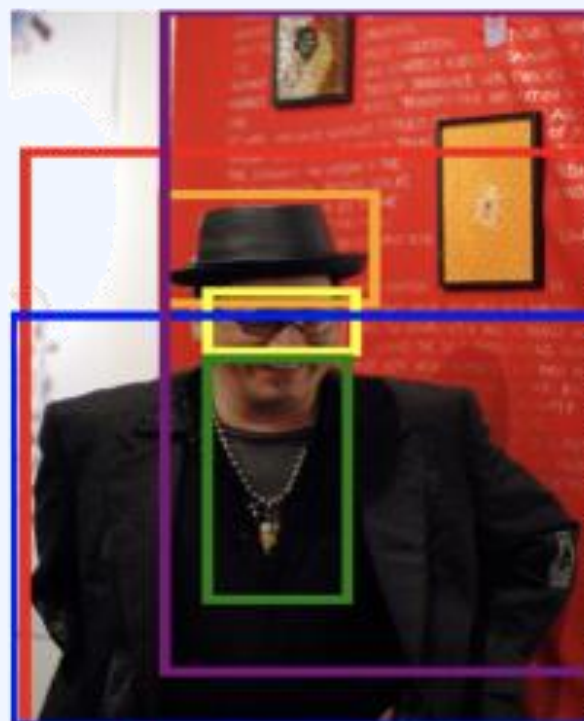
(b) An older man holding a beer standing with another man



(c) An Asian man is removing food from a wok into a carry away container



(d) A group the ladies are standing at a table looking at objects



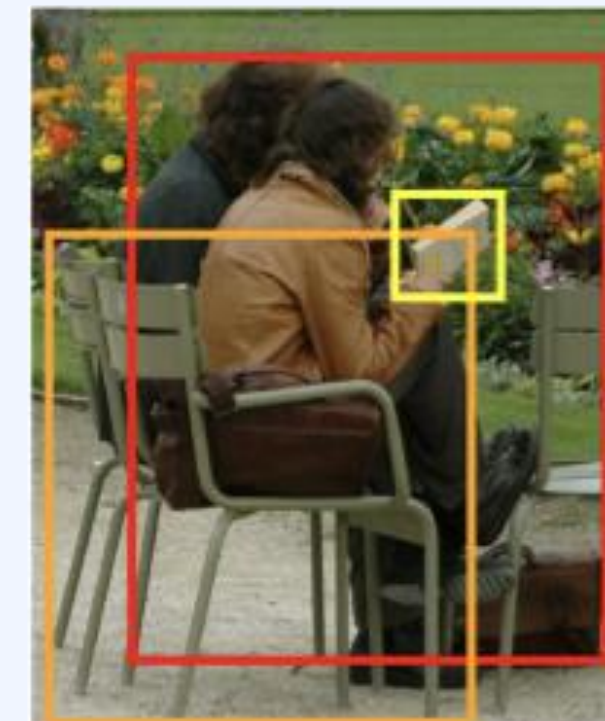
(e) A man with a hat, glasses, jewelry and a jacket stands against an orange wall



(f) A person wearing a blue hat rides a skateboard off of a cement bench



(g) A groom and bride are standing arm in arm



(h) Two women on green chairs are looking at a book

Scene Understanding

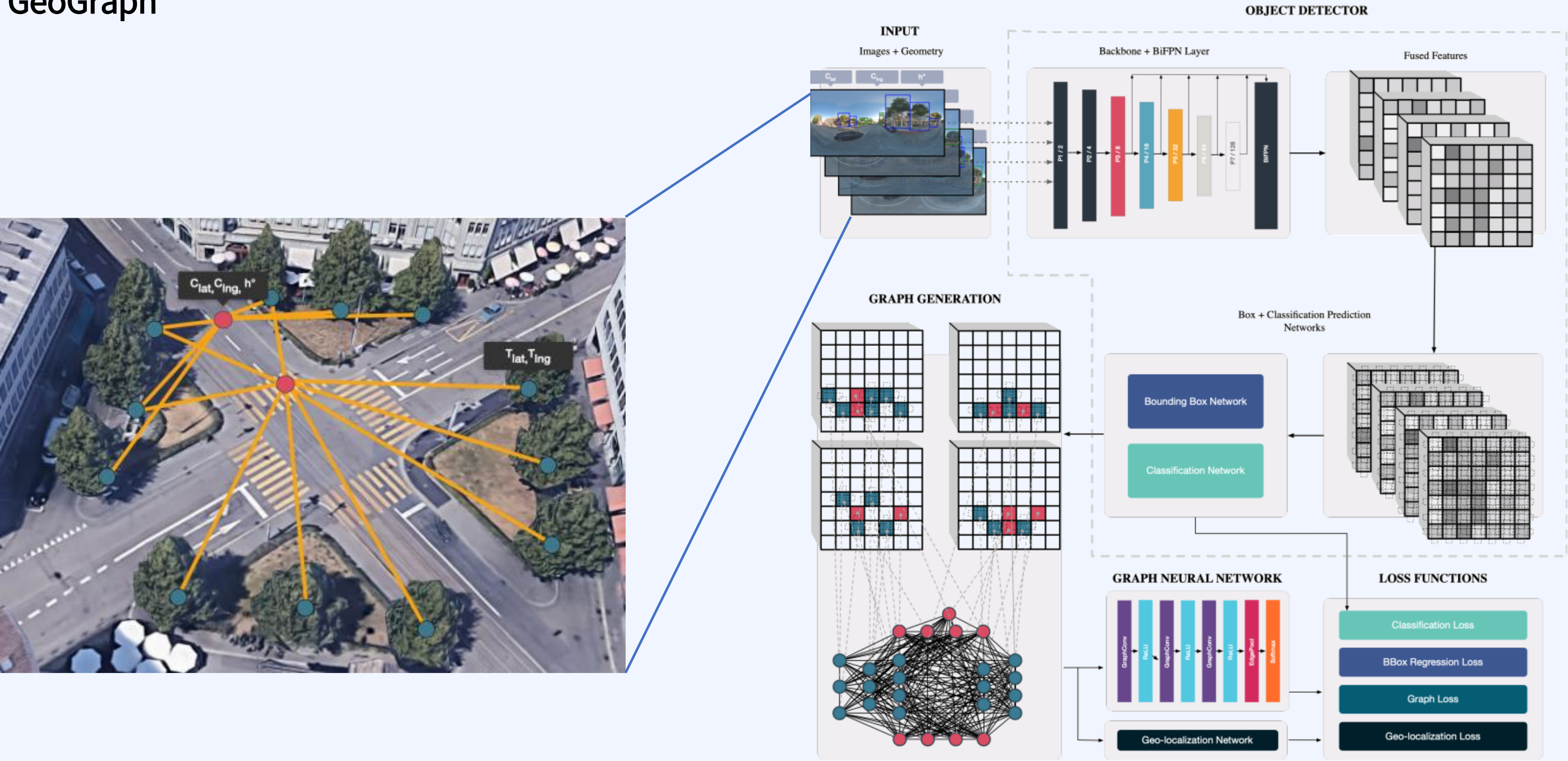
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A. Nassar et al. GeoGraph: Graph-based multi-view object detection with geometric cues end-to-end. ECCV

GeoGraph



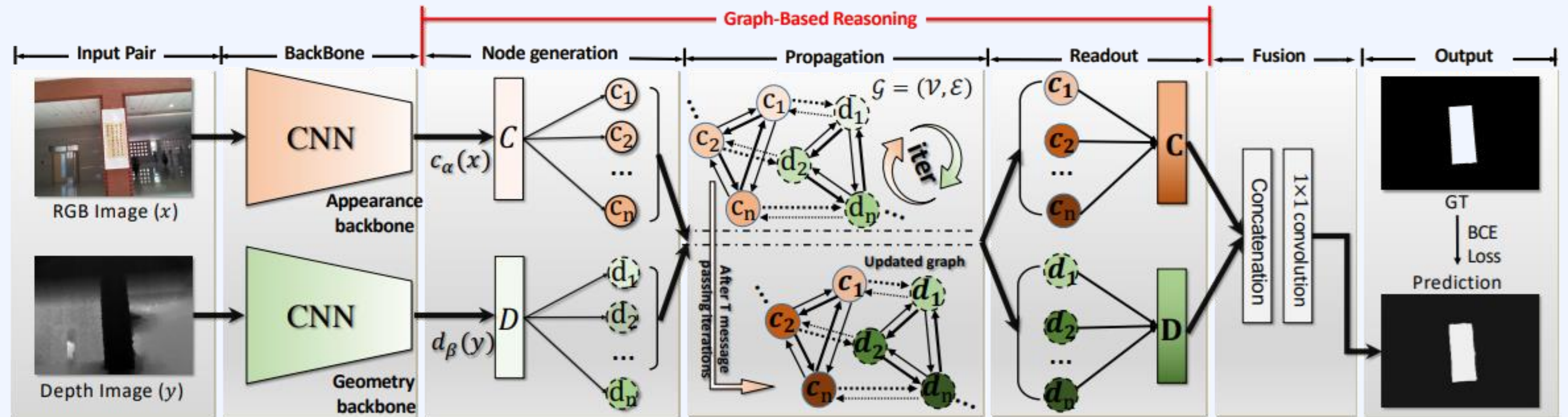
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A. Luo et al. Cascade Graph Neural Networks for RGB-D Saliient Object Detection. ECCV

CAS-GNN



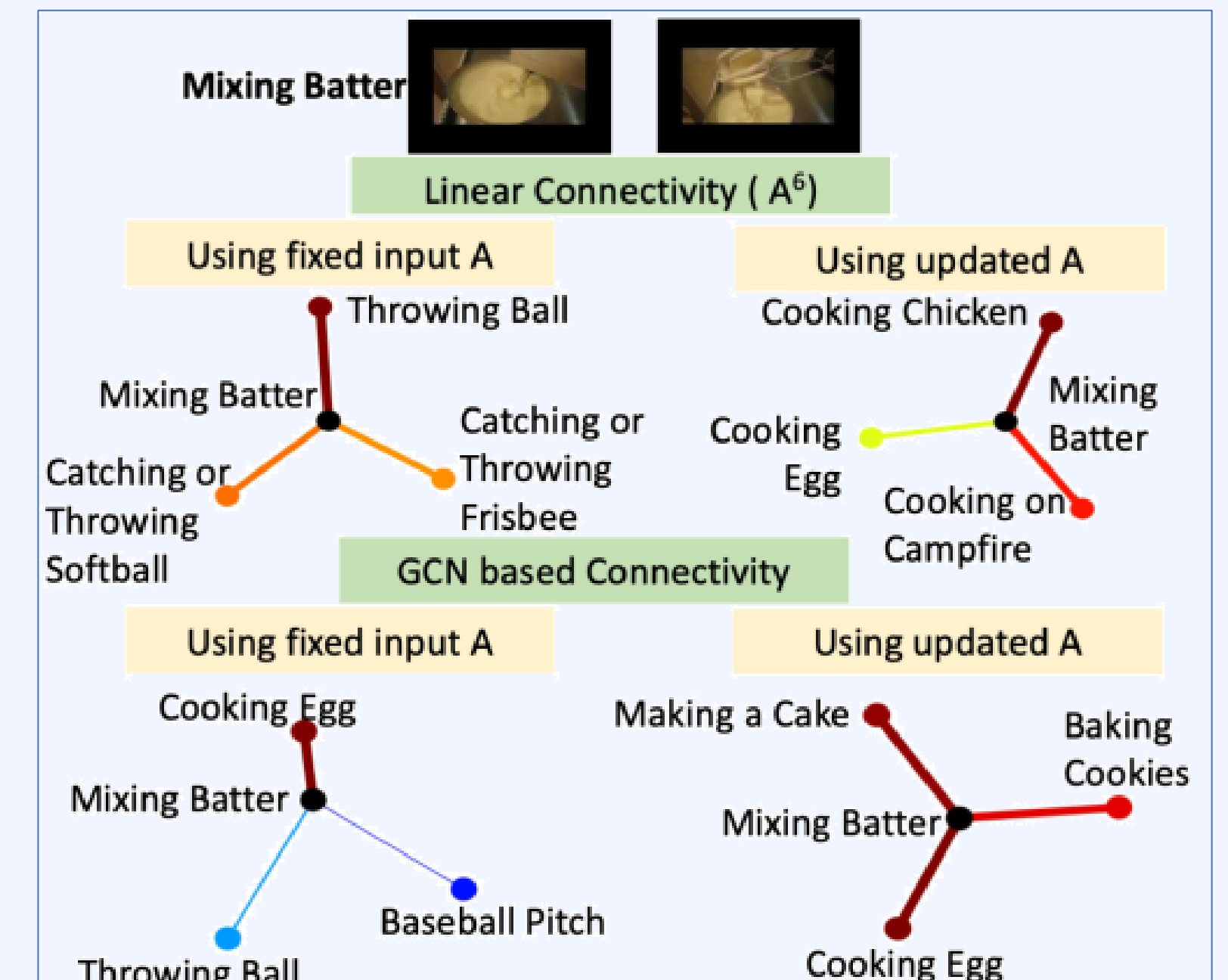
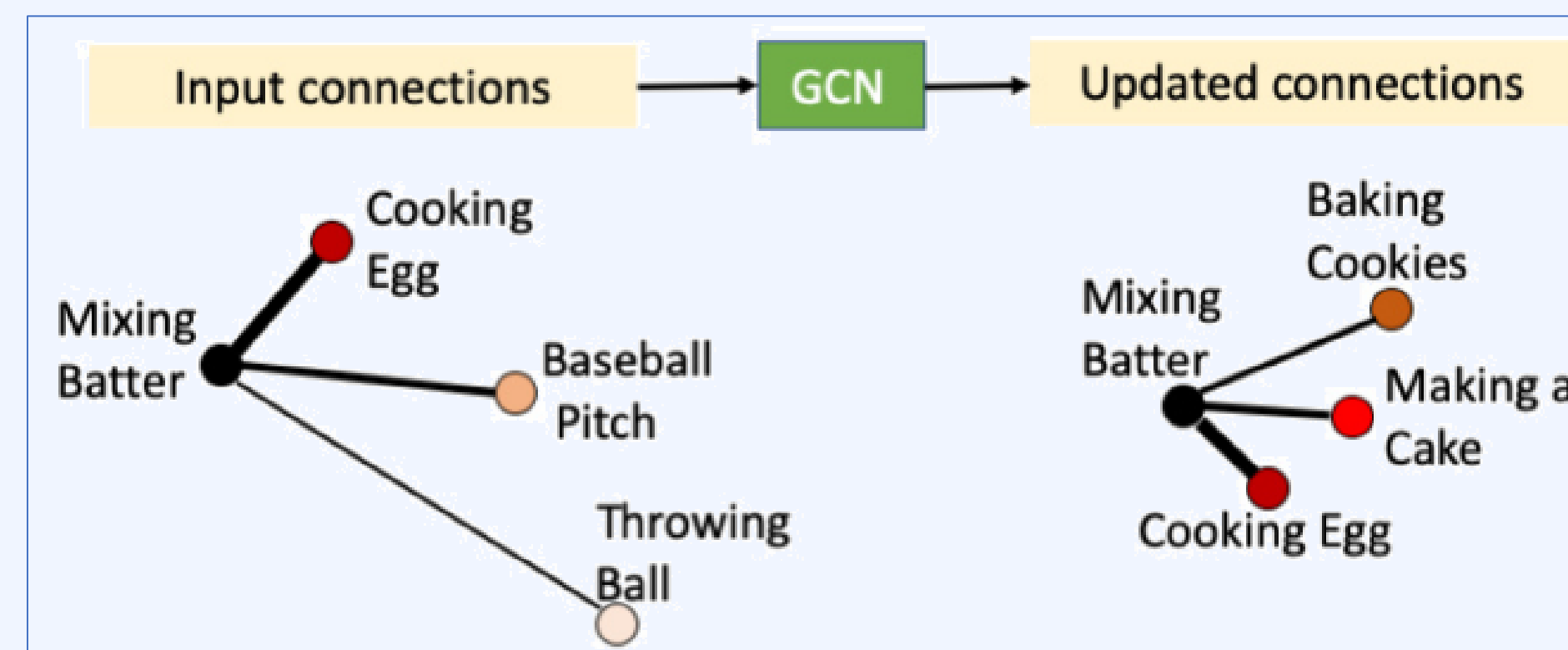
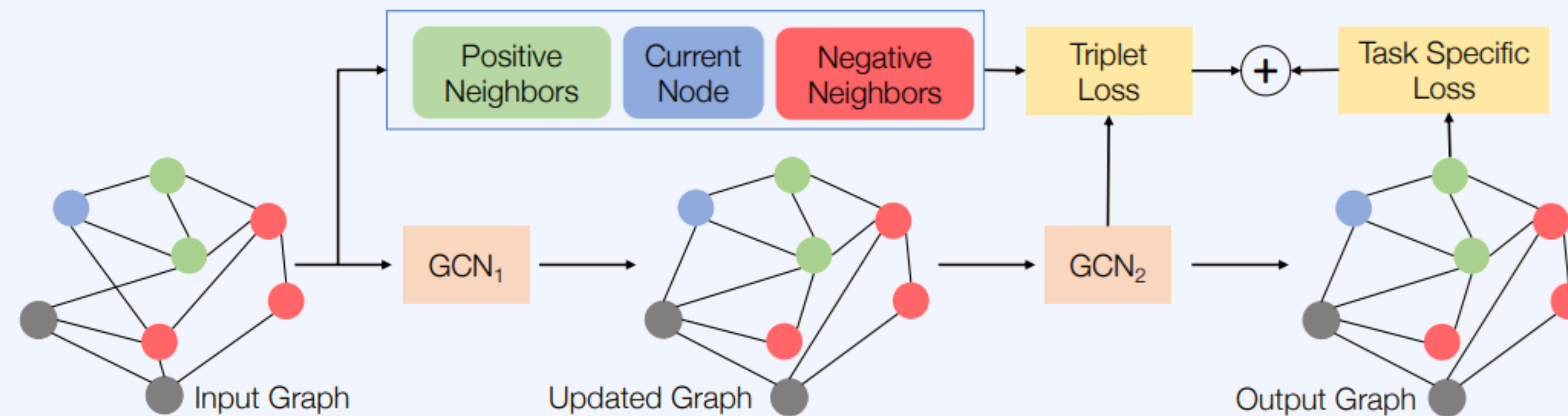
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P. Ghosh et al. Learning Graphs for Knowledge Transfer with Limited Labels. CVPR



Scene Understanding

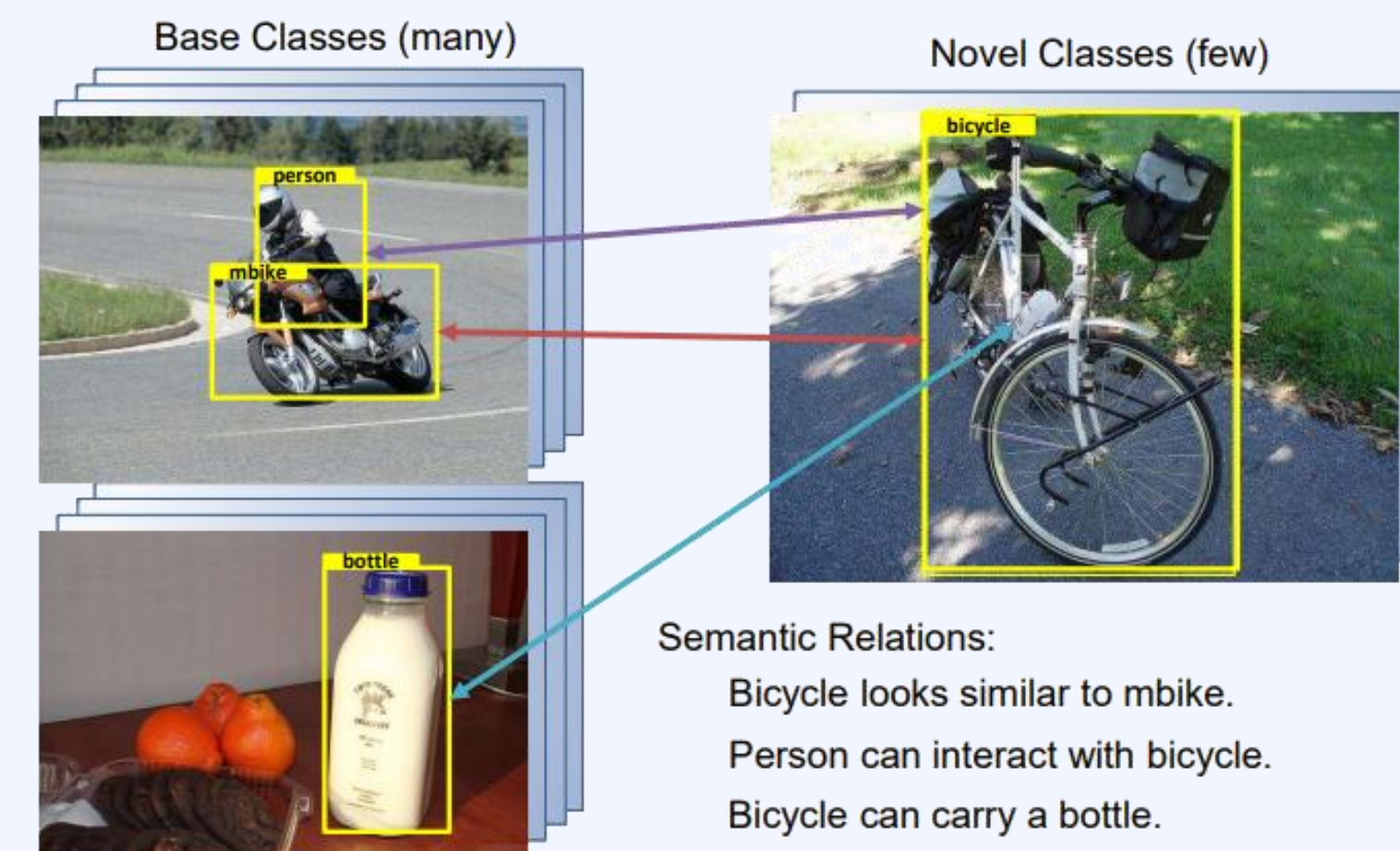
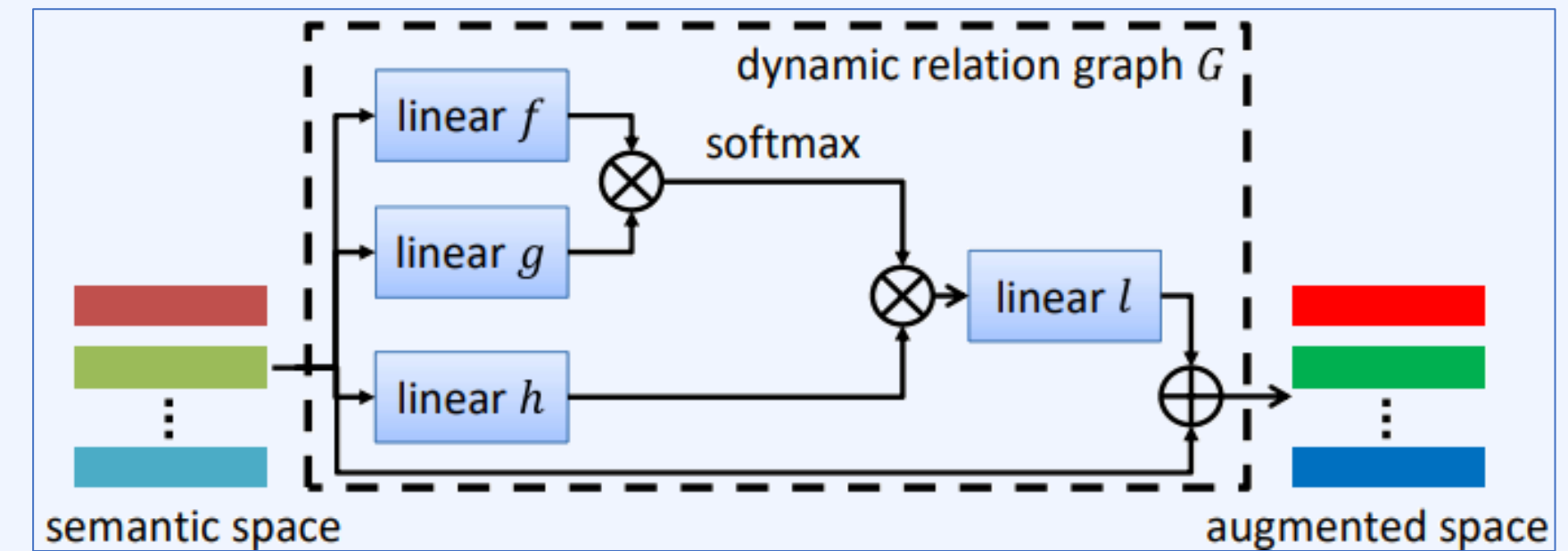
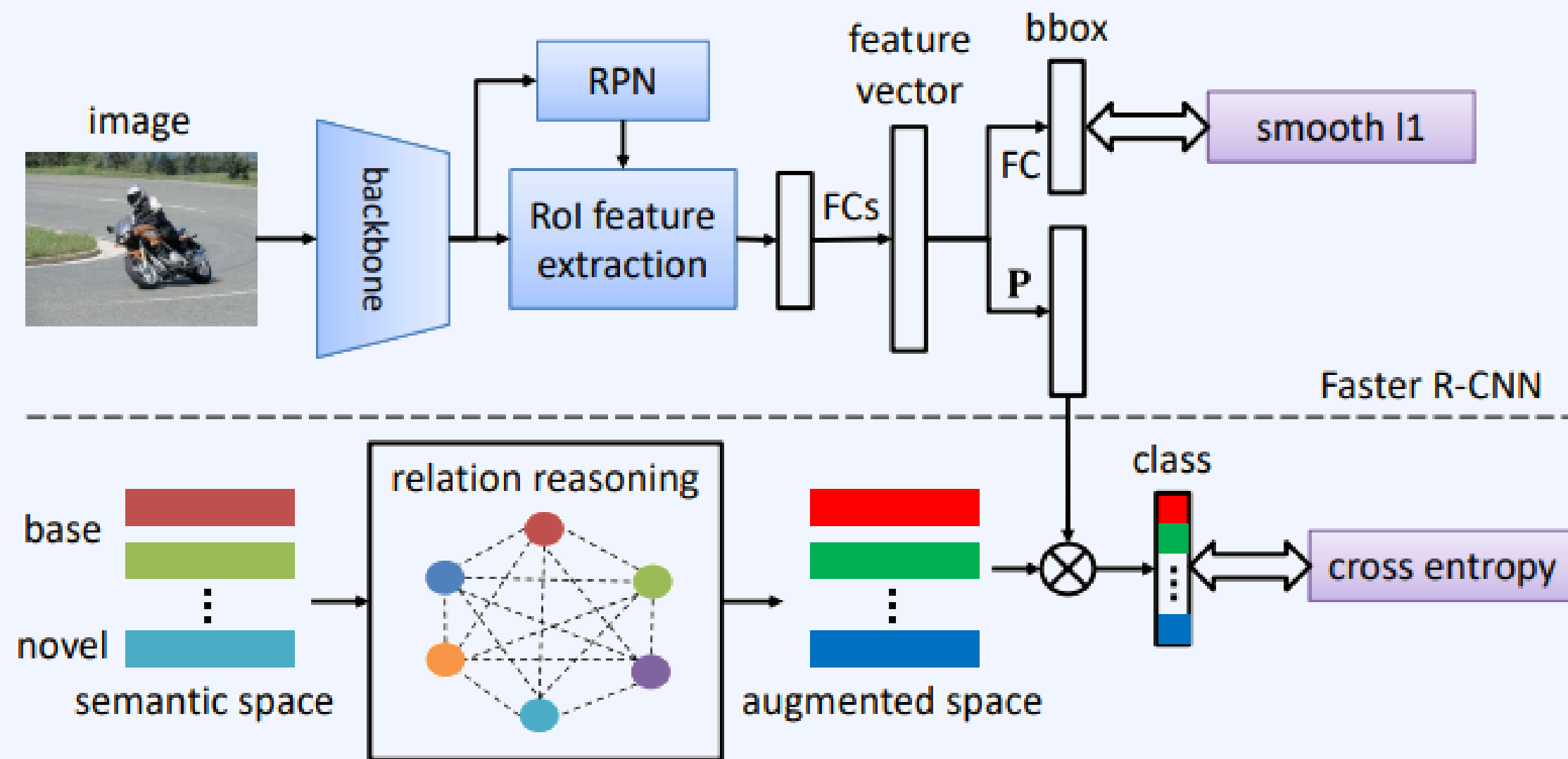
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C. Zhu et al. Semantic Relation Reasoning for Shot-Stable Few-Shot Object Detection. CVPR

Semantic Relation Reasoning Few-Shot Detector (SRR-FSD)



Scene Understanding

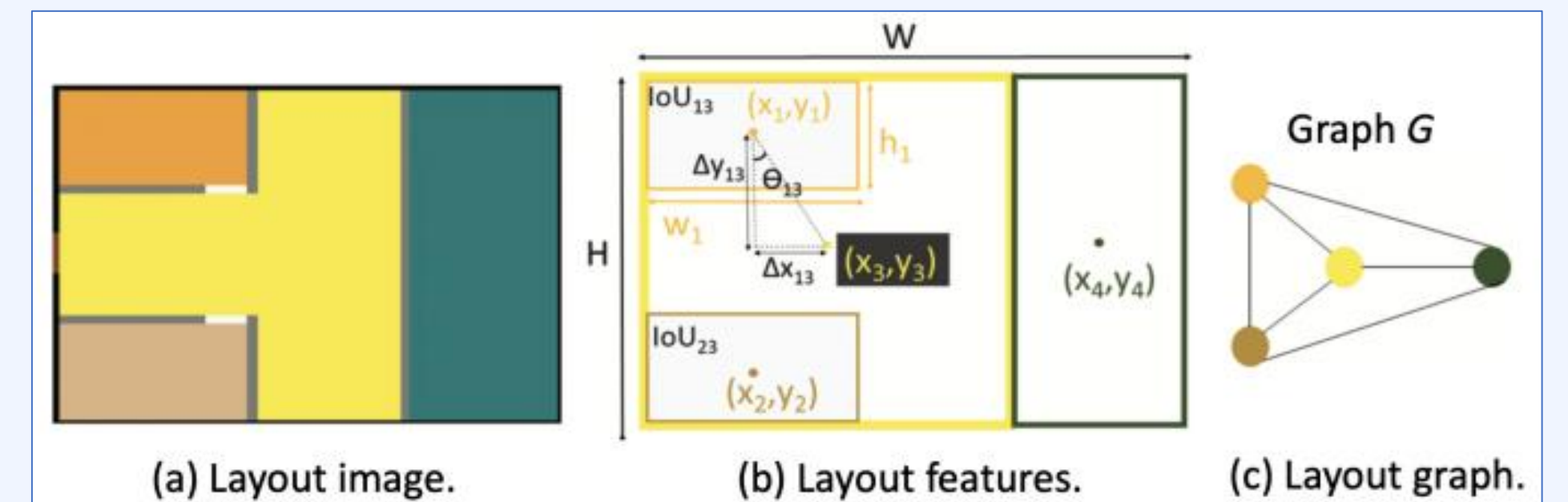
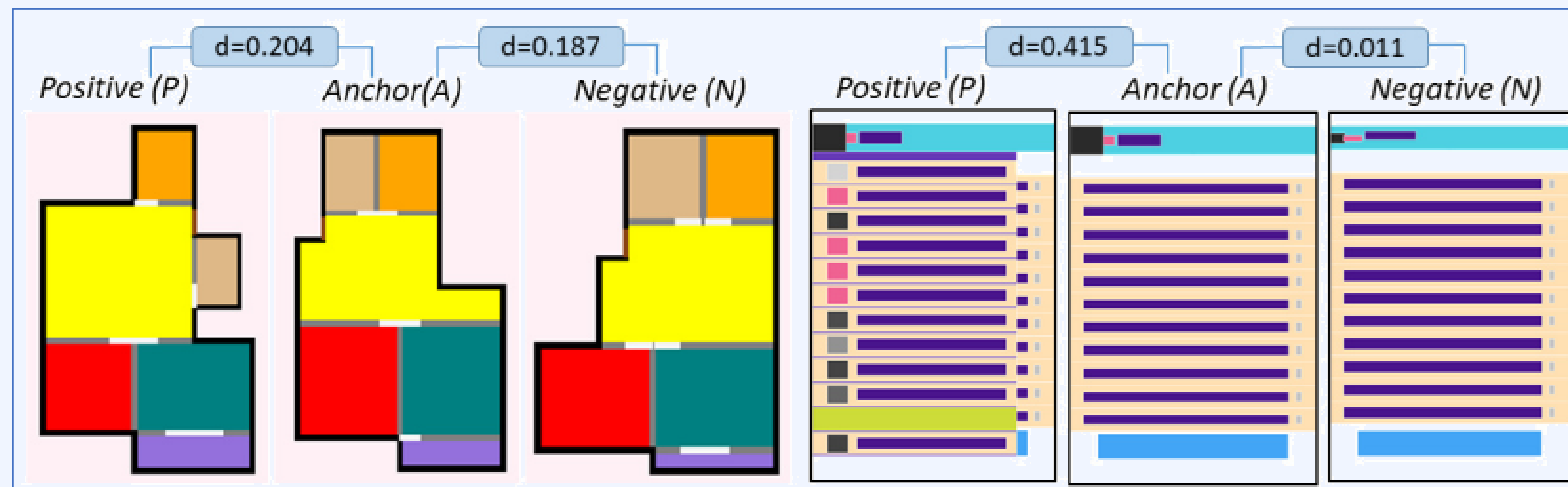
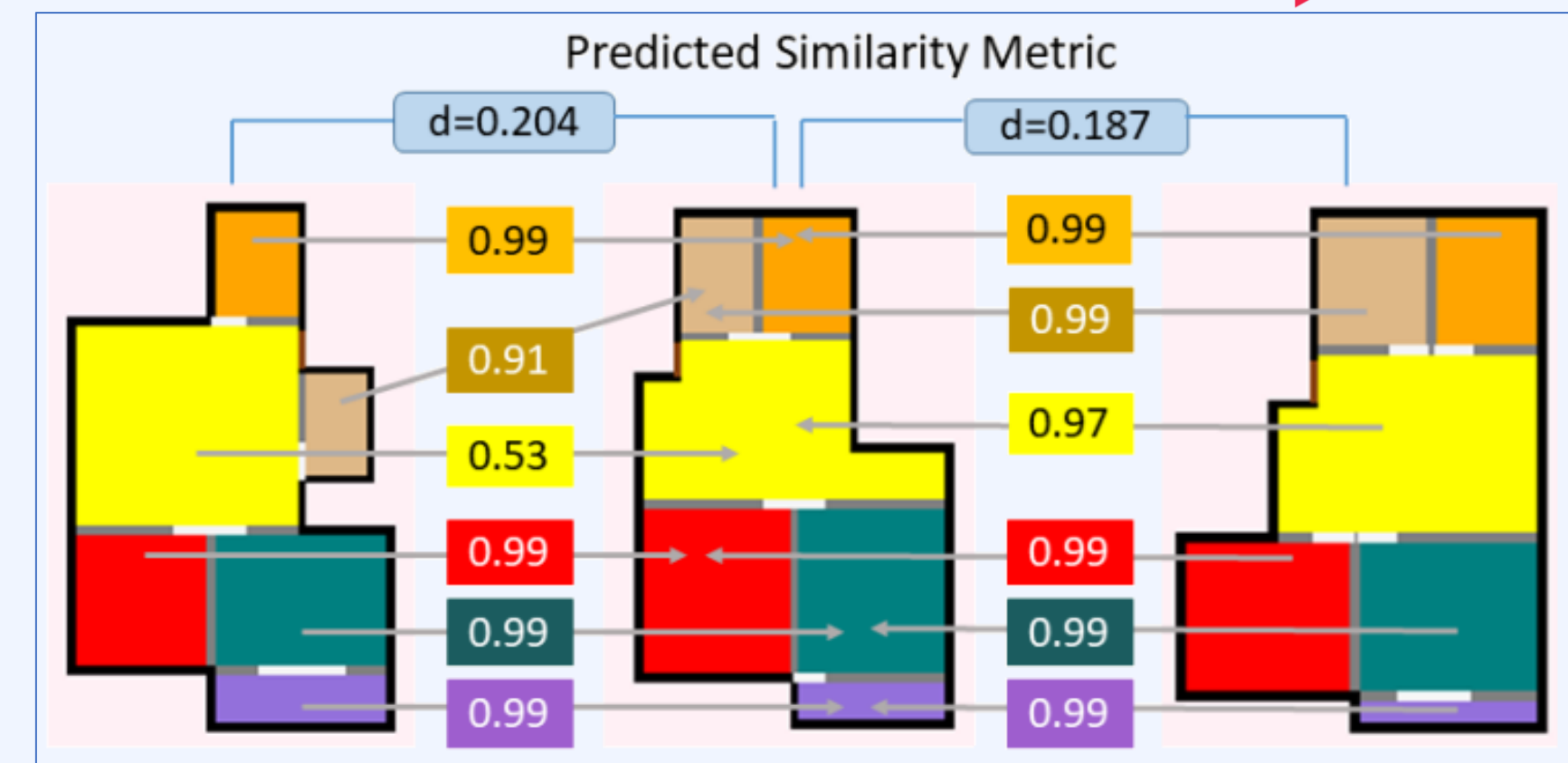
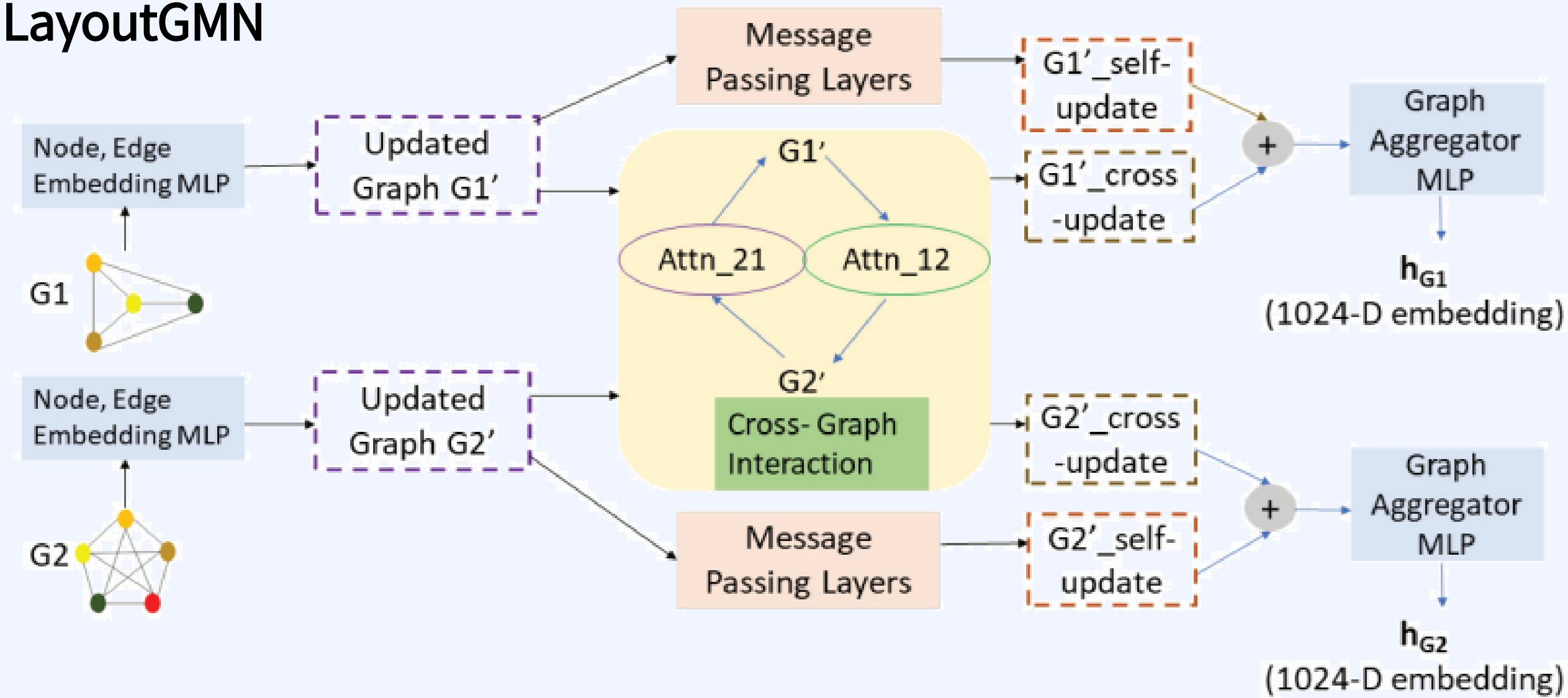
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A. Patil et al. LayoutGMN: Neural Graph Matching for Structural Layout Similarity. CVPR

LayoutGMN



Scene Understanding

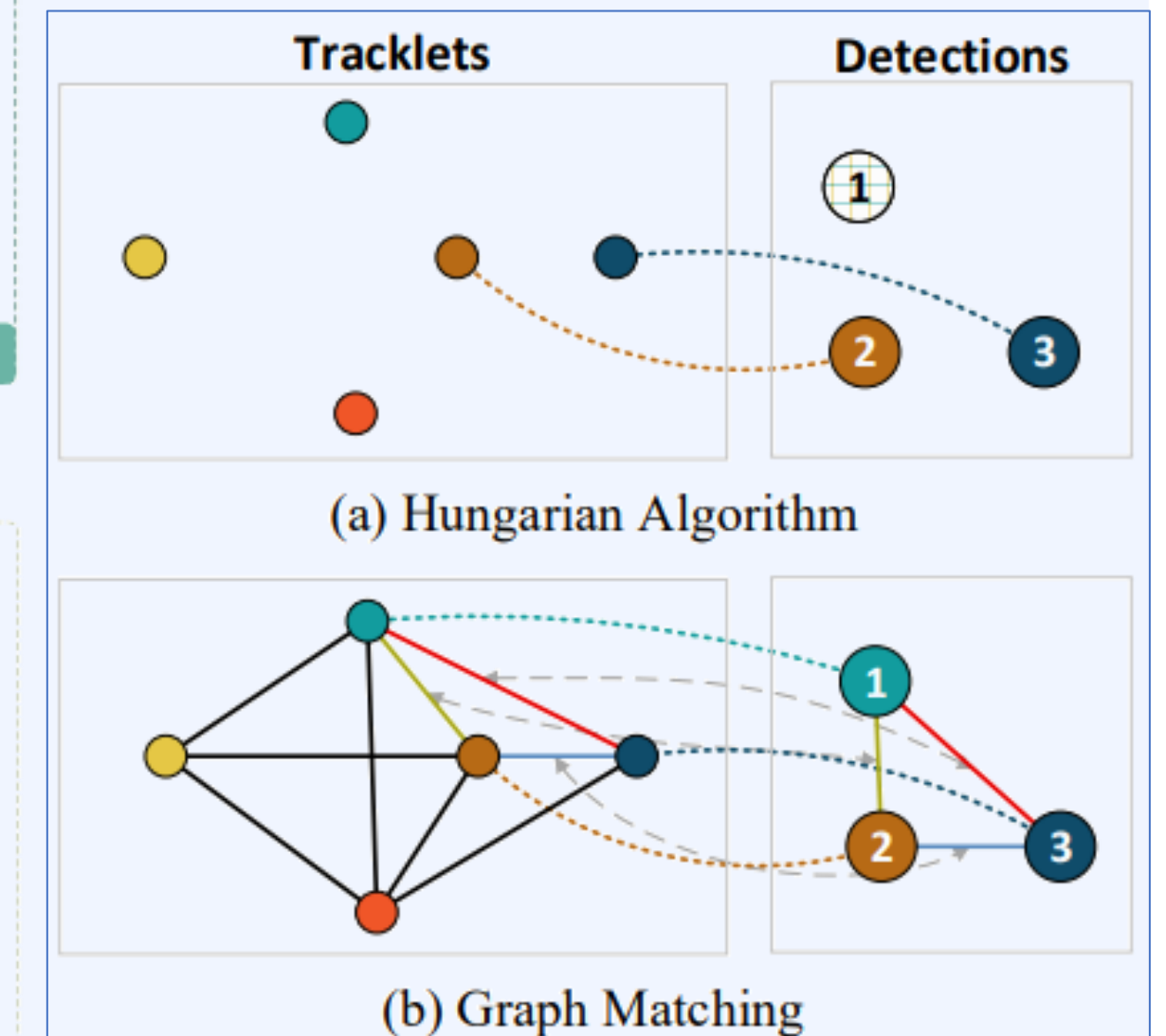
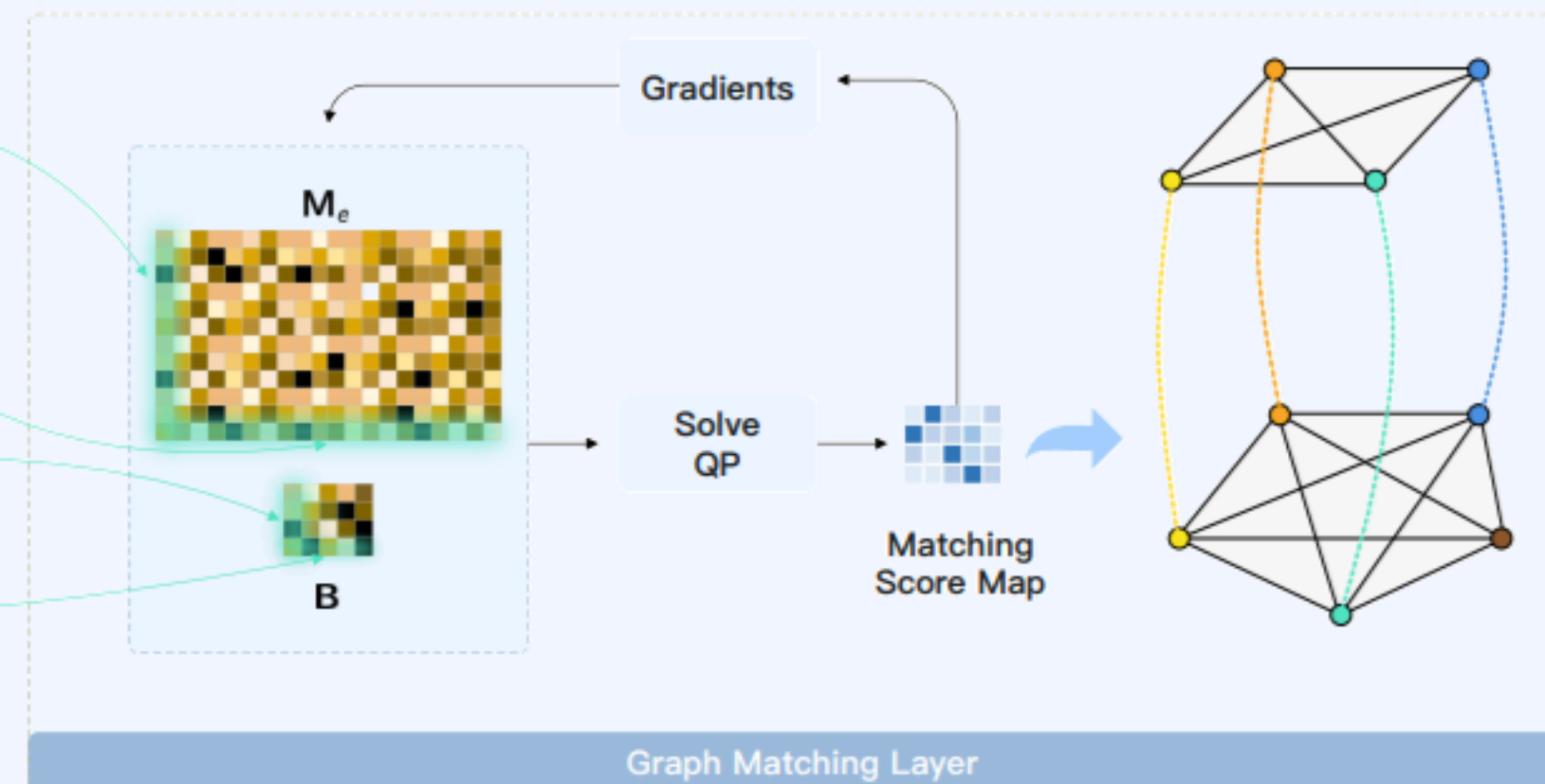
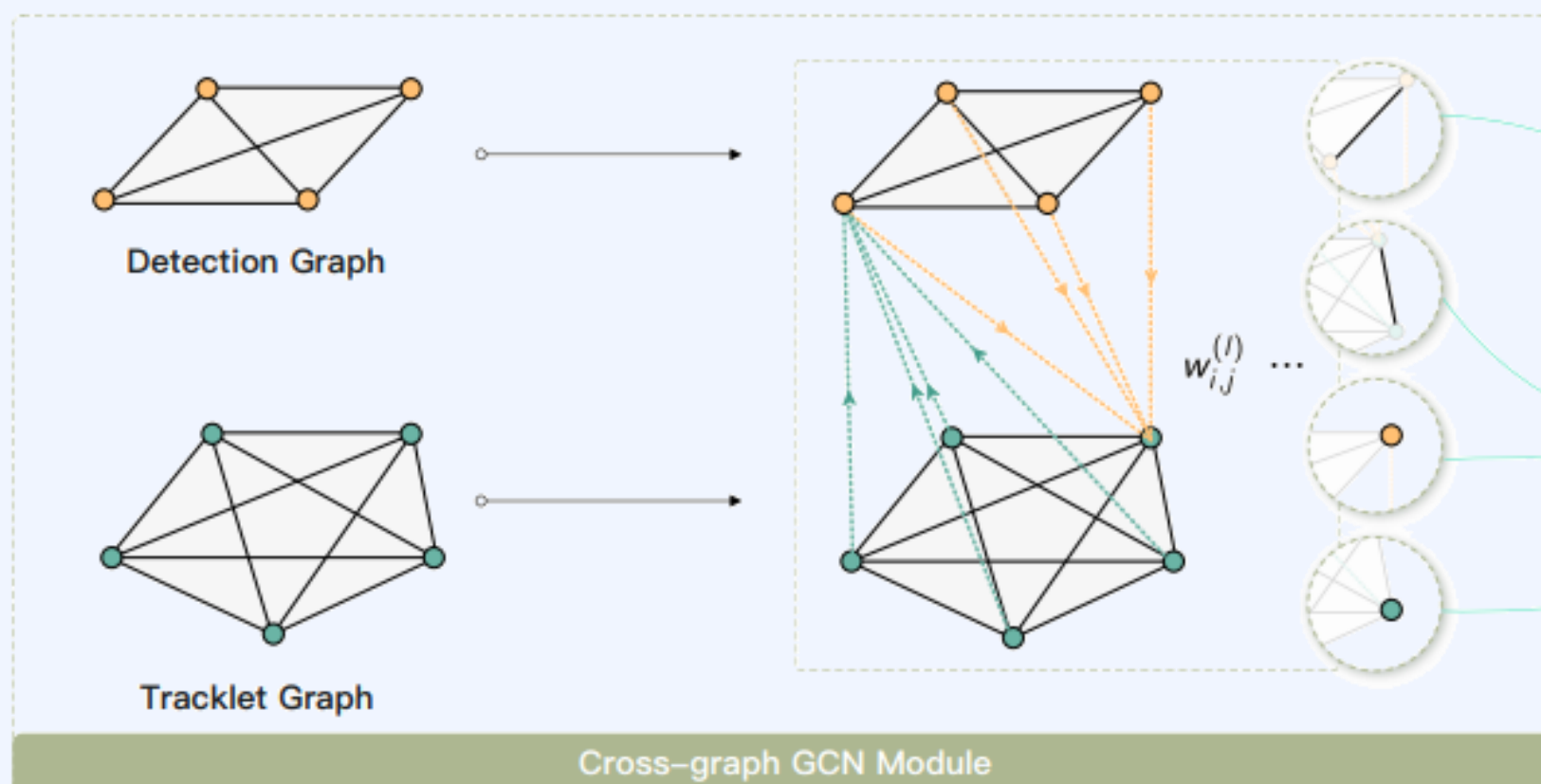
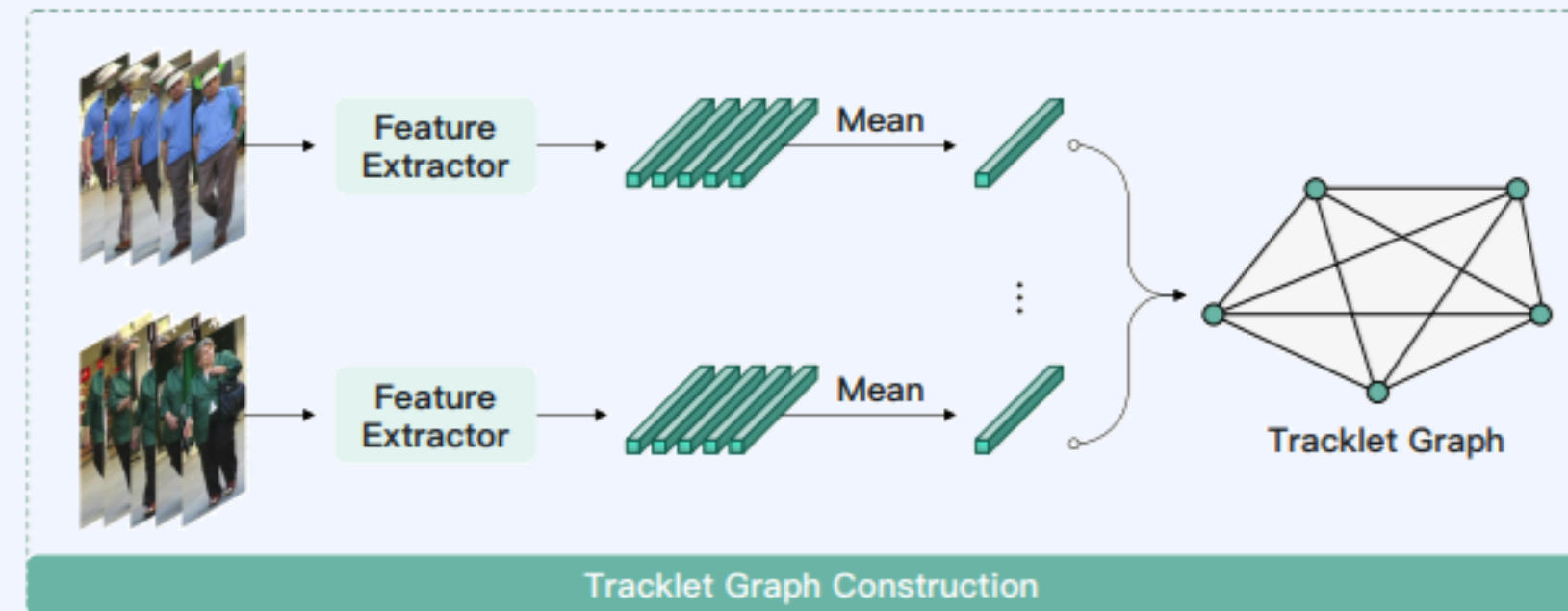
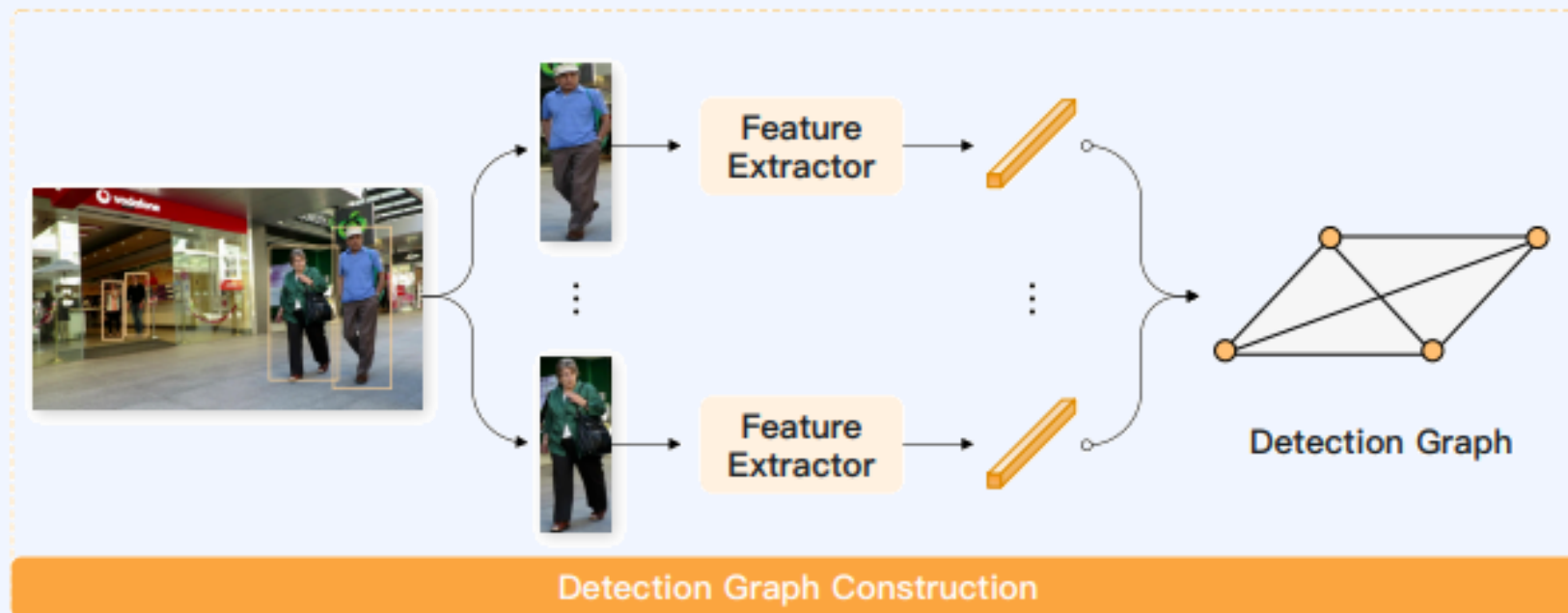
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J. He et al. Learnable Graph Matching: Incorporating Graph Partitioning with Deep Feature Learning for Multiple Object Tracking. CVPR

GMTracker



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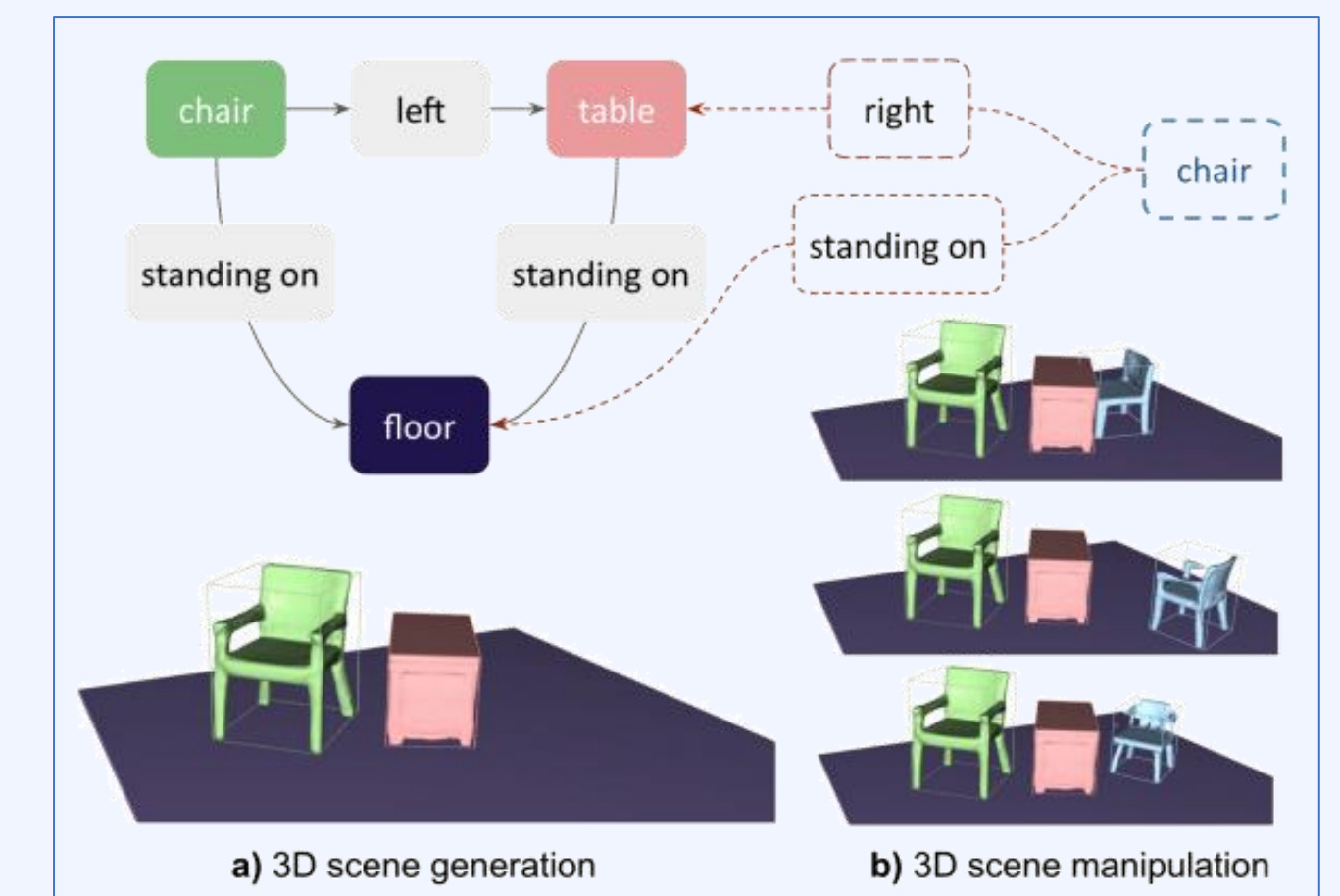
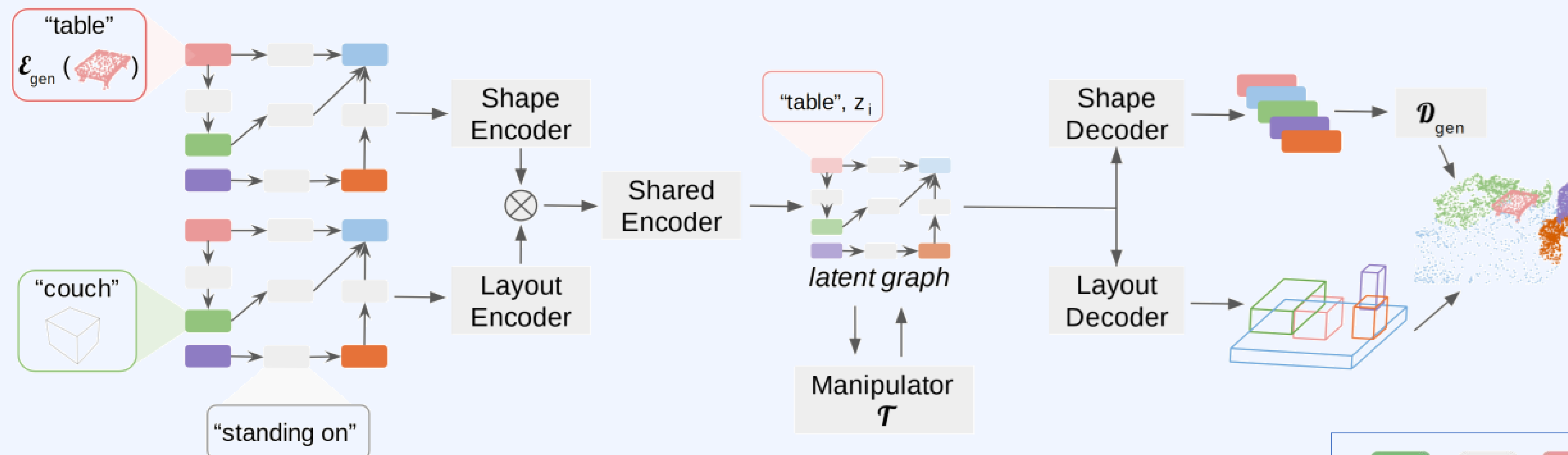
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H. Dharmo et al. Graph-to-3D: End-to-End Generation and Manipulation of 3D Scenes Using Scene Graphs. CVPR

Graph-to-3D



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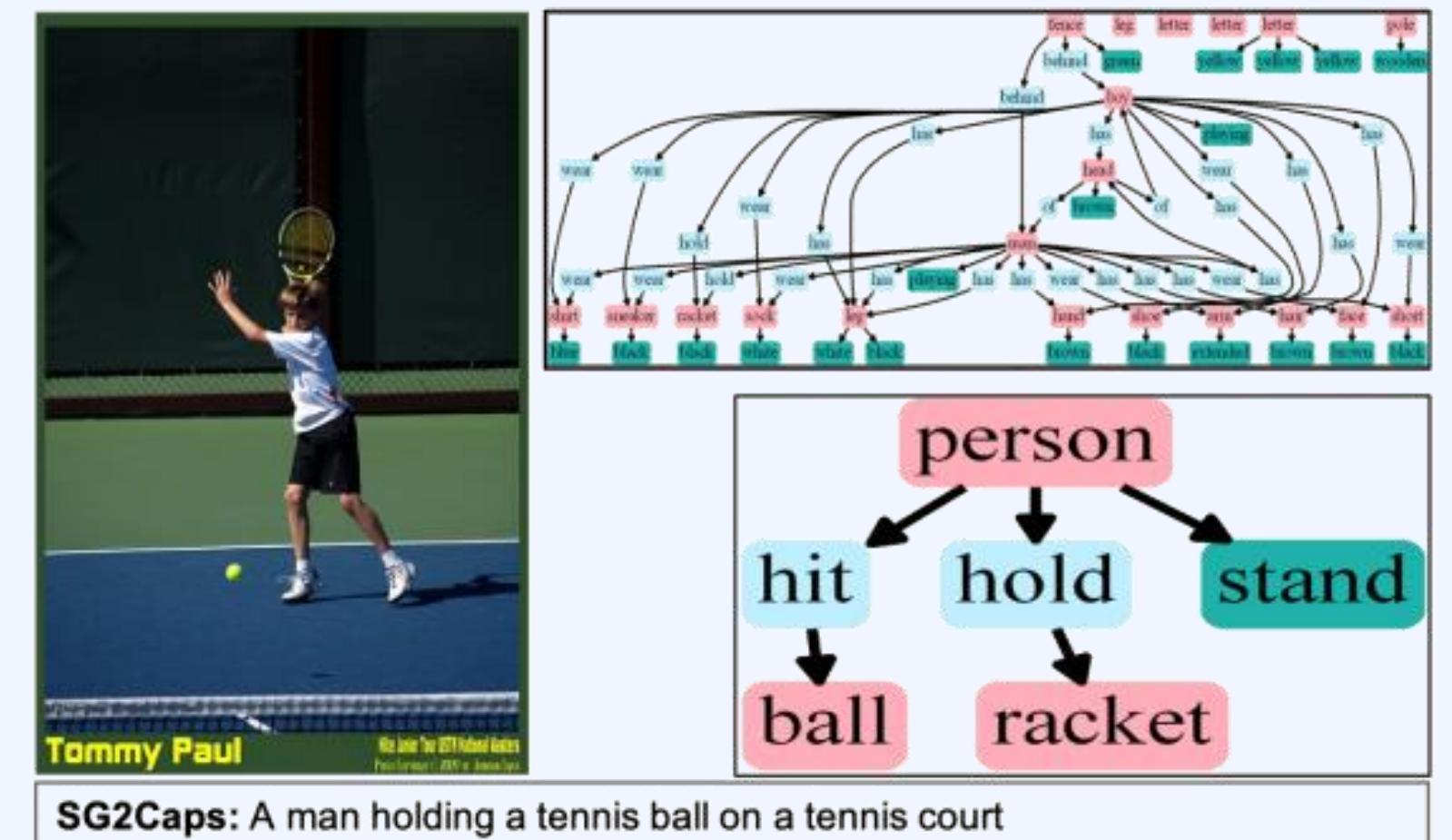
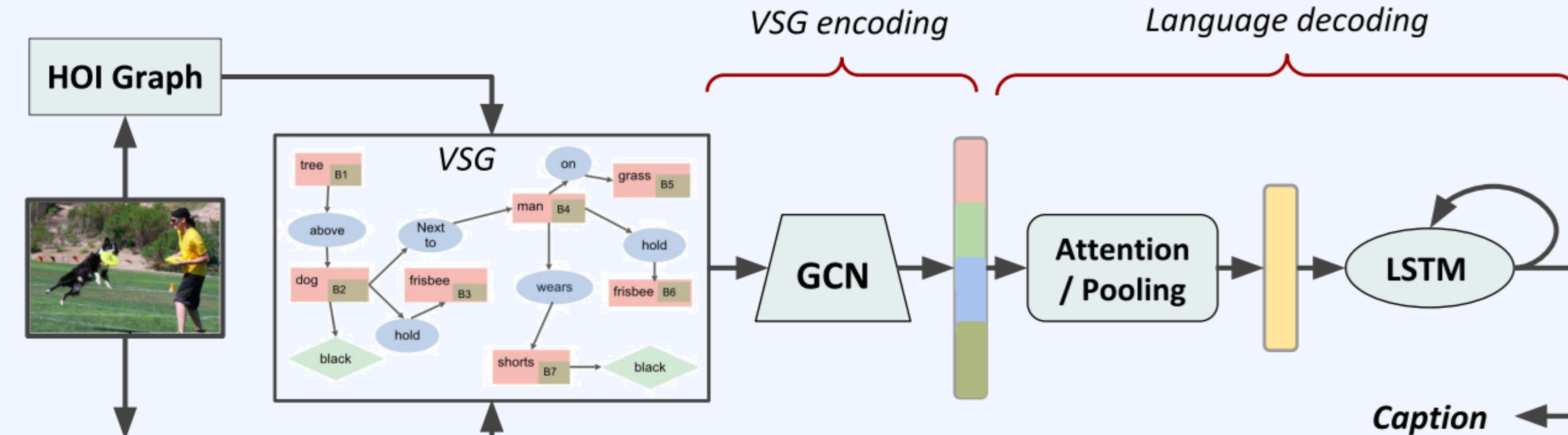
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K. Nguyen et al. In Defense of Scene Graphs for Image Captioning. CVPR

SG2Caps



Scene Understanding

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T. He et al. Exploiting Scene Graphs for Human-Object Interaction Detection. CVPR

SG2HOI

