Multi-Person Tracking by Multicut and Deep Matching

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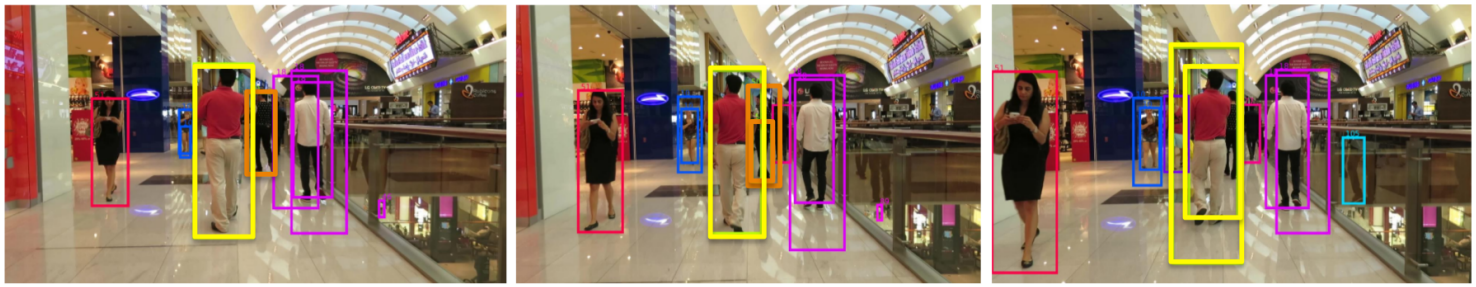

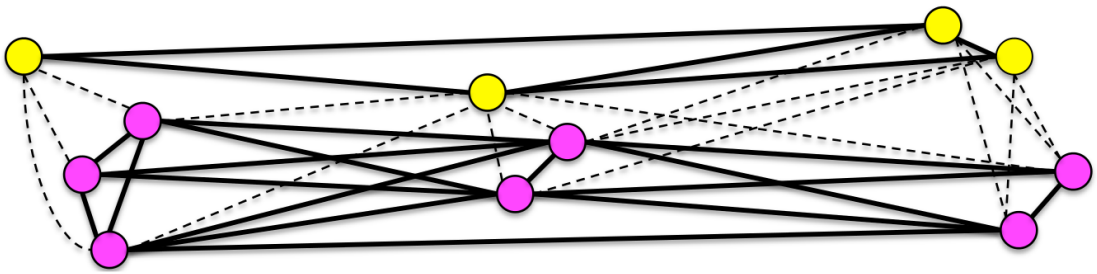

- Multi-person tracking by extending previous work[1]:
  A graph-based formulation that links and clusters person hypotheses over time by solving a minimum cost subgraph multicut problem
- Local pairwise feature based on local appearance matching that is robust to partial occlusion and camera motion (DeepMatching)
- Comparison of different pairwise potentials
- Analysis of the robustness of the tracking formulation
- A plain multicut problem by removing outlying clusters
- Applicable to long videos and many detections
- No need for the intermediate tracklet representation
- State-of-the-art performance on MOT16 benchmark

[1] Subgraph decomposition for multi-target tracking. CVPR 2015