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Conclusion

- temporal context covers only predictions in the previous frame

→ use person re-identification to obtain a longer temporal context

- human segmentation & pose tracking can learn from each other

→ adapt tracker to propagate both

- expand the use of semantic information to pose tracking

- we propose the tasks of leveraging test-time supervision for:
  - multi-person **mask** tracking
  - multi-person **pose** tracking

- key building blocks of our approach:
  - use of a convnet to track each person frame by frame
  - leverage guidance from the previous frame prediction, optical flow and semantic information

Future Work:

Thank you for your attention!

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