

Hierarchical Semantics of Objects (hSOs)

Devi Parikh and Tsuhan Chen, Department of Electrical and Computer Engineering, Carnegie Mellon University



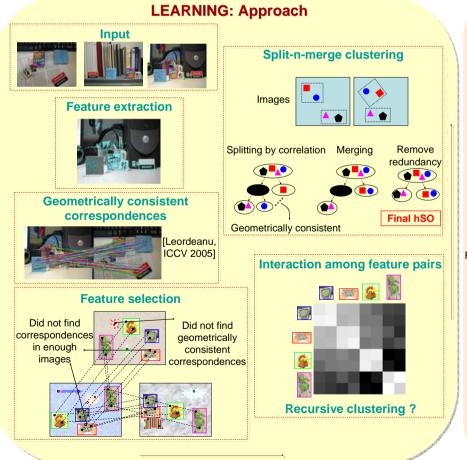


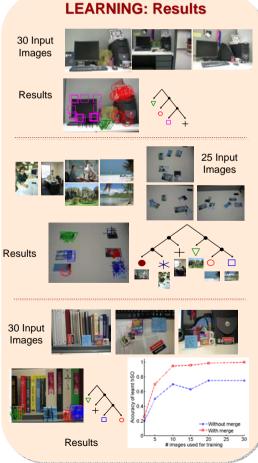
Motivations

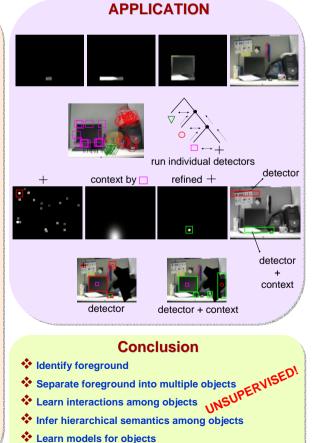
- Higher level understanding of the scene
- **❖** Compact scene representation
- Context
- Avoid extensive human labeling let the data speak!

Contributions

- LEARNING: Unsupervised learning of hSO
- APPLICATION: Using hSO for robust object detection







Use models & semantics for robust object detection