(a) Estimation of scale from field of view

Estimated object scale
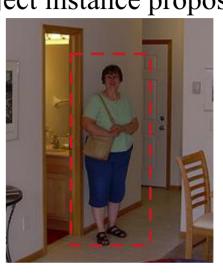
Estimated part scale

Observed region

(b) Part parsing at proper object/part scales
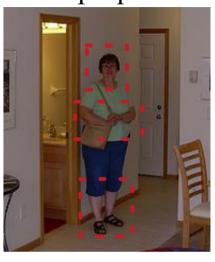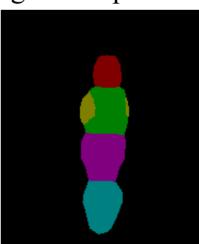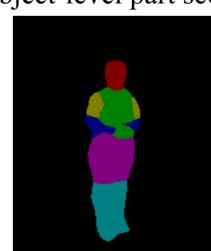
Image

Object instance proposals

Part proposals

Image-level part scores

Object-level part scores

Part-level part scores