

Auto - Data Annotation from Gazebo Simulations

Nikolaus Wagner

□ nwagner@lincoln.ac.uk

incoln Centre for Autonomous Systems, UoL, UK

Presentation Content

- Motivation
- Previous Work
- Work in Progress
- Q & A

Motivation

- Generation of pre-annotated training data from Gazebo simulation for various purposes
- Annotated features:
 - Position
 - Orientation
 - Segmentation
- Export as standard dataset





Previous Work

- World simulation
- Simulated RGB & depth sensors
- Simulation state publishers





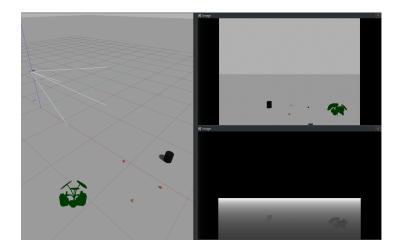
World Simulation







Simulated Sensors







Simulation State Publishers







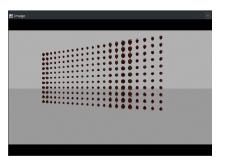
Work in Progress

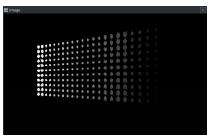
- Segmentation plugin
- Automated annotation tool
- COCO-like dataset export





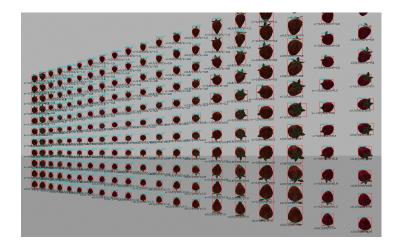
Segmentation Plugin







Annotation / Dataset Tool







Demo!





Questions?

