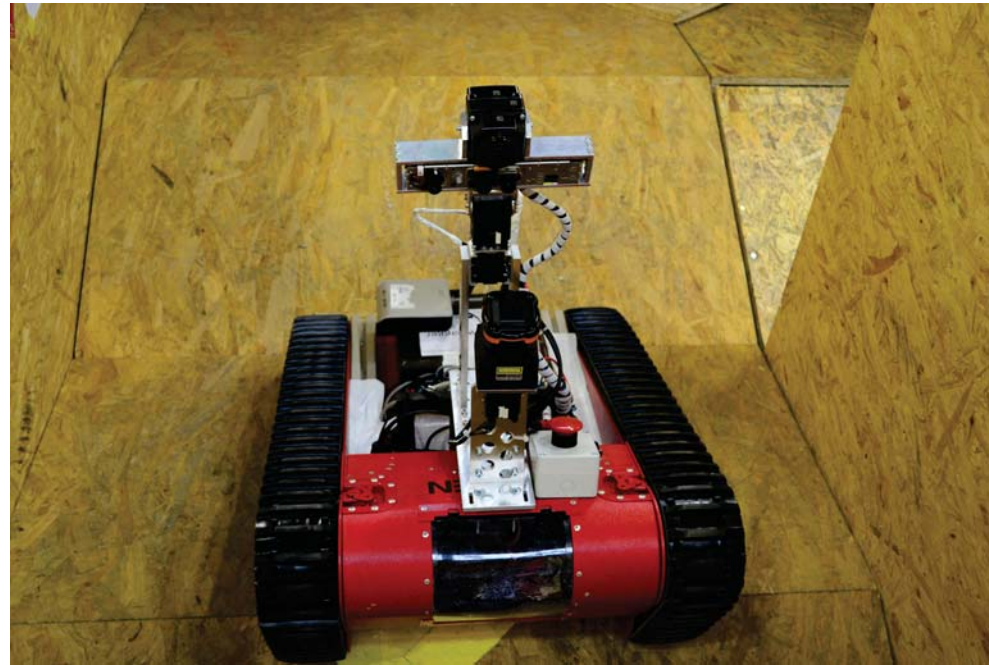


Mesa Element SSRR Rescue Camp 2013

Johannes Maurer,
Institute for Software Technology
Graz University of Technology

Linköping, 26. October 2013

Introduction



“Wowbagger”

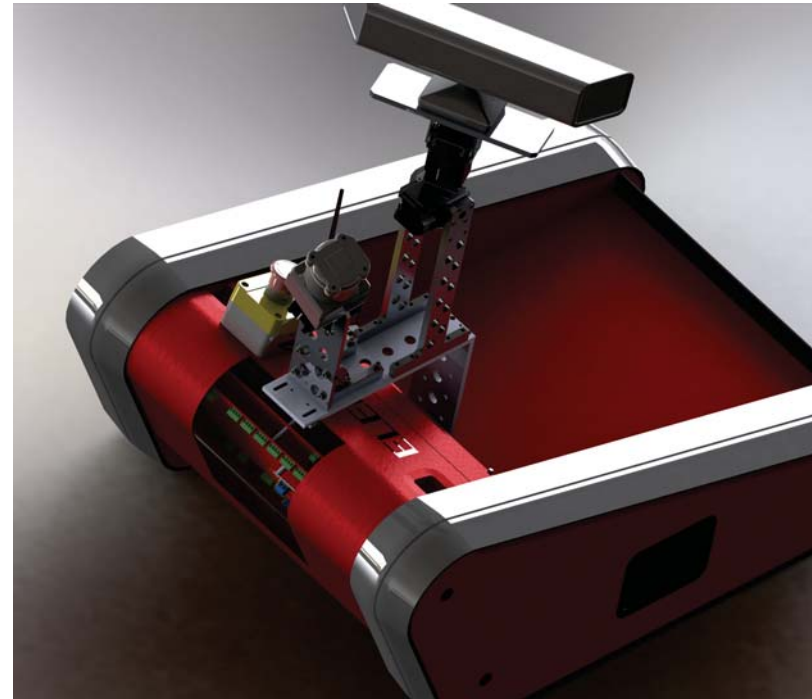
Mesa Element

- Size: 533x304x762 mm
- Weight: 18 kg
- Payload: 57 kg
- Clearance: 76 mm
- Connector: Serial Port RS-232



Payload

- Hokuyo Laser Scanner
- Microsoft Kinect
- Dynamixel Servos
- Xsens IMU
- PC
- WLAN Router



Hokuyo Laser Scanner

- 30 m
- 270°
- ROS: hokuyo_node
- Msg: sensor_msgs/LaserScan



Microsoft Kinect

- 3D world measurements (pointcloud)
- RGB camera
- ROS: openni_node
- Msg: sensor_msgs/PointCloud2; sensor_msgs/Image



Dynamixel Servos

- Laser Alignment
- Pan-Tilt Unit
- ROS: dynamixel_motor
- Msg: std_msgs/Float64



Xsens IMU

- Intertial Date
- ROS: lse_imu_drivers
- Msg: sensor_msgs/Imu



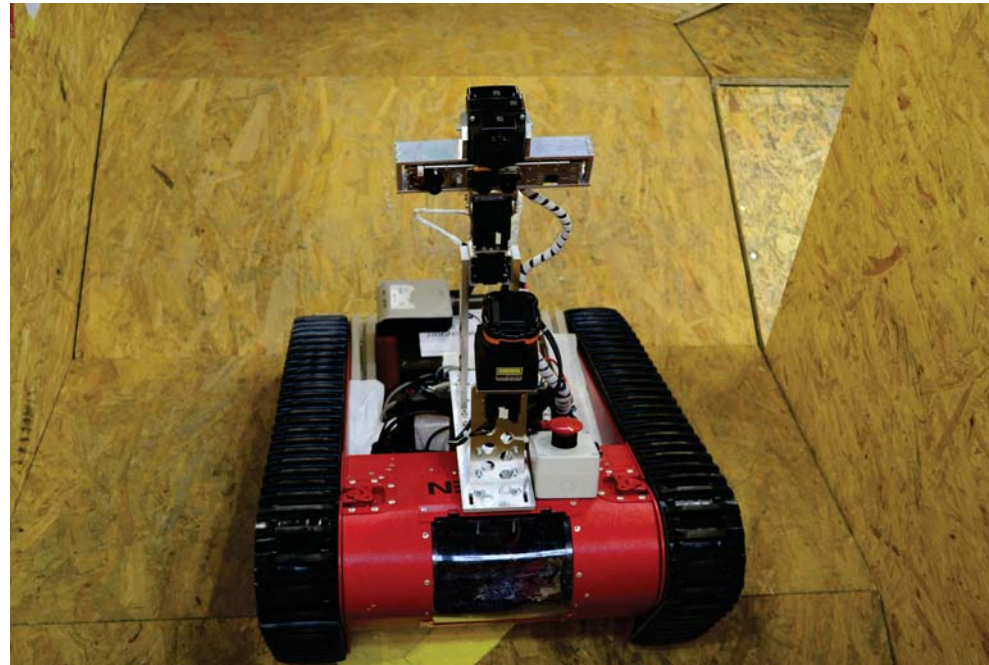
PC + WLAN Router

- Ubuntu 12.04
- ROS fuerte / ROS Groovy



Abb. ähnlich

Questions



“Wowbagger”