

チェックポイント 3

```
1 bumper.l
2
3 (ros::roseus-add-msgs "kobuki_msgs")
4 (ros::roseus "checkpoint1_3_1_button_euslisp")
5
6 (defun button-cb
7   | (msg)
8   | (setq bumper (send msg :bumper))
9   | (setq state (send msg :state))
10  | (ros::ros-info "subscribe msg [bumper: ~A state: ~A]" bumper state)
11  | )
12
13 (ros::subscribe "/mobile_base/events/bumper"
14   kobuki_msgs::BumperEvent #'button-cb)
15
16 (ros::ros-info "ready to subscribe !!!")
17 (ros::spin)
NORMAL >> bumper.l
```

```
---
bumper: 2
state: 1
---
bumper: 2
state: 0
---
bumper: 2
state: 1
---
bumper: 2
state: 0
---
bumper: 2
state: 1
---
bumper: 2
state: 0
---
bumper: 2
state: 1
---
bumper: 2
state: 0
---
bumper: 2
state: 0
---
bumper: 2
state: 1
---
bumper: 2
state: 0
---
bumper: 2
state: 0
---
```

```
1 bumper.l
2
3 (ros::roseus-add-msgs "kobuki_msgs")
4 (ros::advertis "mobile_base/commands/sound" kobuki_msgs::Sound)
5 (unix::sleep 1)
6
7 (setq msg (instance kobuki_msgs::Led :init))
8 (dotimes (i 3)
9   (send msg :value (+ i 1))
10  (ros::ros-info "publish msg [value: ~A]" (send msg :value))
11  (ros::publish "/mobile_base/commands/sound" msg)
12  (unix::sleep 1)
13 )
14 (send msg :value 0)
15 (ros::ros-info "publish [value: ~A]" (send msg :value))
16 (ros::publish "/mobile_base/commands/sound" msg)
17
NORMAL >> sound.l
```

```
---
value: 1
---
value: 2
---
value: 3
---
value: 0
---
```

チェックポイント 4

```
3-26747.log
Checking log directory for disk usage. This may take a while.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.

started roslaunch server http://ki00113:45651/

SUMMARY
=====
PARAMETERS
* /rostopic: melodic
* /rosversion: 1.14.13
* /turtlebot3_teleop_keyboard/scale_angular: 1.5
* /turtlebot3_teleop_keyboard/scale_linear: 0.5

NODES
* /
  turtlebot3_teleop_keyboard (turtlebot3_teleop/turtlebot3_key)
  ROS_MASTER_URI=http://localhost:11311

process[turtlebot3_teleop_keyboard-1]: started with pid [26771]

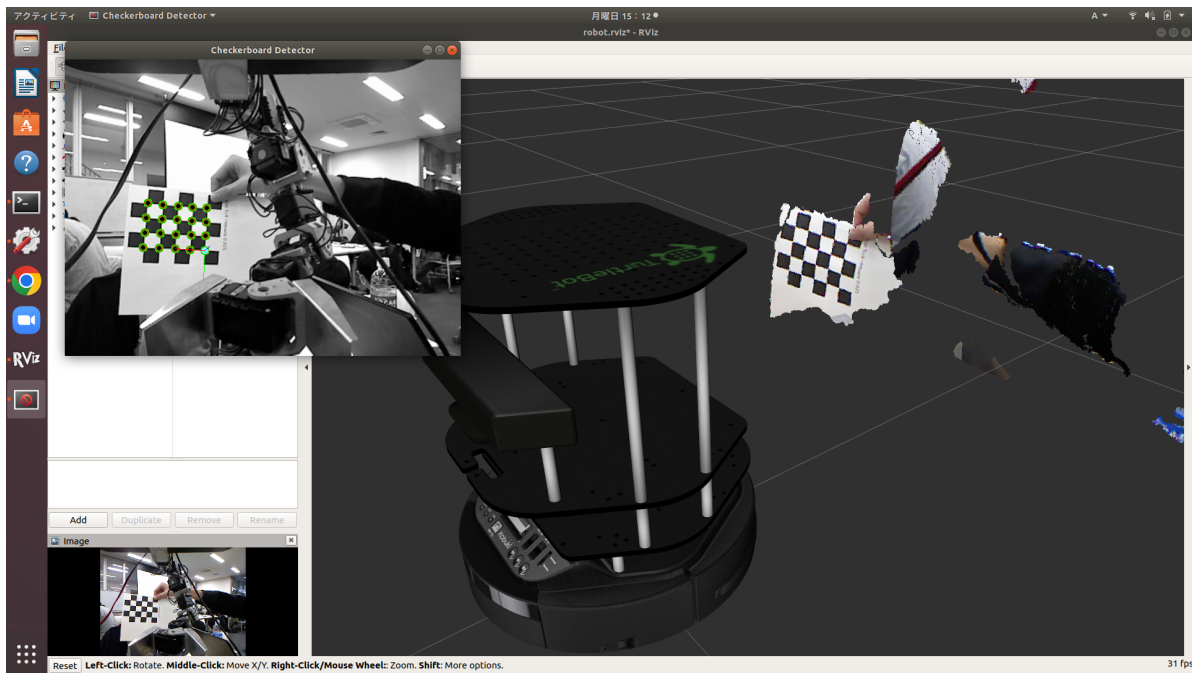
Control Your TurtleBot!
-----
Moving around:
  u i o
  j k l
  m , .

q/z : increase/decrease max speeds by 10%
w/x : increase/decrease only linear speed by 10%
e/c : increase/decrease only angular speed by 10%
space key, k : force stop
anything else : stop smoothly

CTRL-C to quit
currently:  speed 0.2      turn 1

x: 0.0
y: 0.0
z: -0.6
linear:
x: 0.0
y: 0.0
z: 0.0
angular:
x: 0.0
y: 0.0
z: -0.7
linear:
x: 0.0
y: 0.0
z: 0.0
angular:
x: 0.0
y: 0.0
z: -0.8
linear:
x: 0.0
y: 0.0
z: 0.0
angular:
x: 0.0
y: 0.0
z: -0.9
linear:
x: 0.0
y: 0.0
z: 0.0
angular:
x: 0.0
y: 0.0
z: -1.0
```

チェックポイント5



チェックポイント6

