



Introducing the New turtle

Jihoon Lee, Yujin Robot

TurtleBot1

Great!



TurtleBot1

Great!



- Open source
- Easy to customize
- Low-cost

TurtleBot1

Problems!



- H/W limitation
- No Active Maintainer
- No Github
- Distribution

TurtleBot 2™



Introduces
the **NEW** Turtle

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What are the improvements?



New Mobile base



New software



Reshaped Community

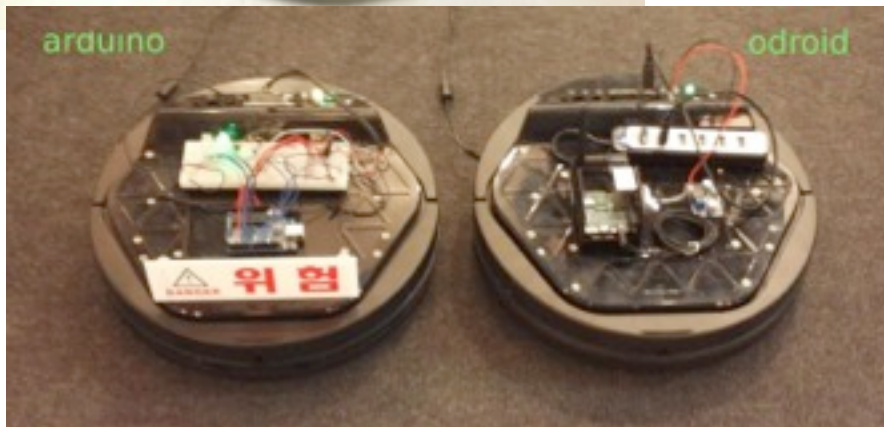


Yujin Robot's iClebo Kobuki

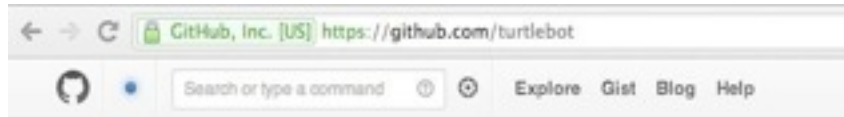


1. Long operation time
(3/7 hrs)
2. Precise odometry
(built-in gyro)
3. Flexibility
(Multiple Power-source)

Yujin Robot's iClebo Kobuki



Software



turtlebot

Joined on Aug 22, 2012

10 public repos
15 members

Repositories Members

Find a Repository...

turtlebot_android
Android app development for
Last updated 8 hours ago

turtlebot
The turtlebot stack provides al
Last updated 6 days ago

turtlebot_apps
A group of simple demos and
TurtleBot.
Last updated 8 days ago

ROS.org

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Robots/ TurtleBot

TurtleBot

TurtleBot combines popular off-the-shelf robot components like the iRobot Create, Yujin Robot's Kobuki and Microsoft's Kinect into an integrated development platform for ROS applications. For more information about hardware, please see <http://turtlebot.com>.

electric fuerte groovy hydro

ROS Software Maintainer: [Michael Ferguson](#), [Tully Foote](#), [Melonee Wise](#) (Willow Garage), [Daniel Stonier](#) (Yujin Robot)

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<https://github.com/turtlebot>

<http://www.ros.org/wiki/Robots/TurtleBot>

- Newly maintained on GitHub
- Active Development
- Active Maintainer

Software - Android



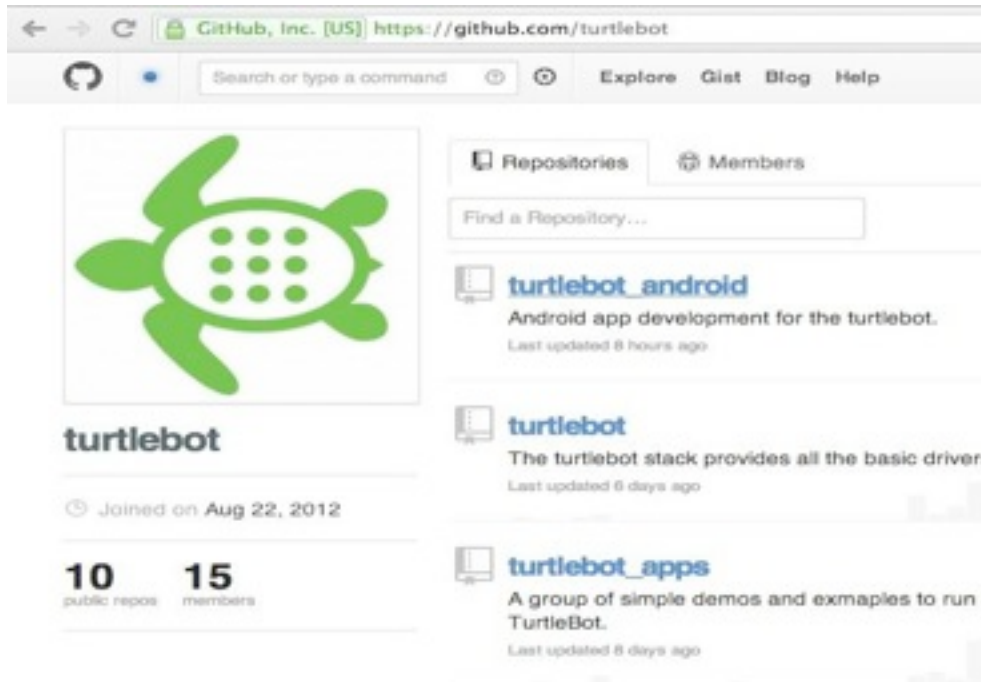
- All apps are rebuilt with up-to-date version of rosjava
- All apps are available in google play
- Search for OSRF and Yujinrobot for up-to-date version of apps

Software - TurtleBot ISO



- Expected Soon!
- Thanks to Bill for huge amount work of handling all complexity of ISO creation

Community



New Players!!

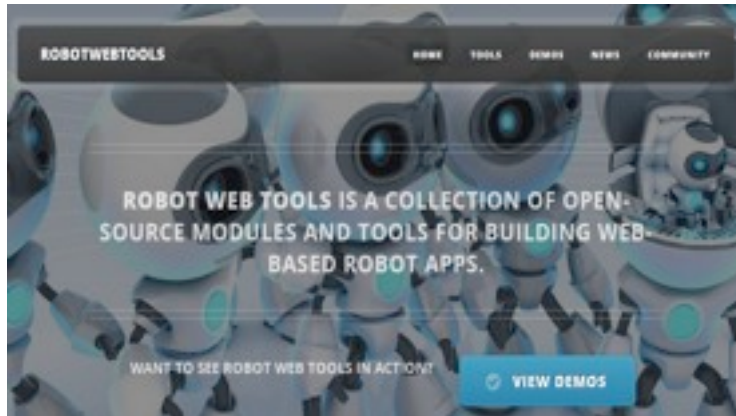


- Encourage community contributions
- Integrate contributions into the official base
- Do the dirty and boring, but necessary jobs

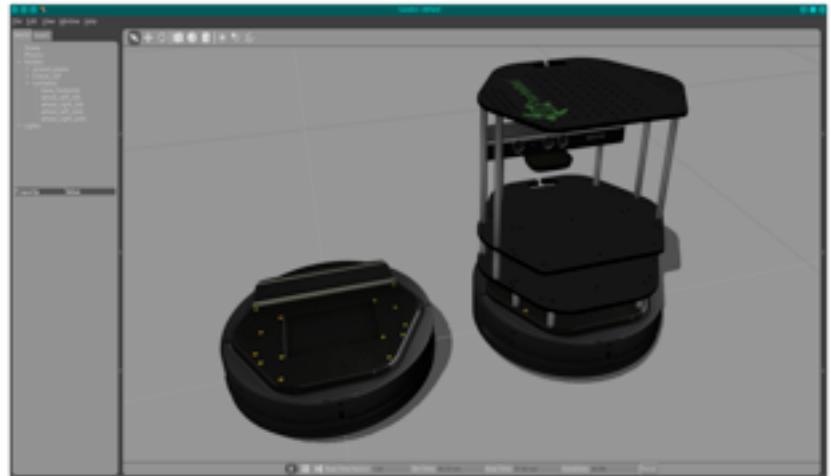
Looking for another new players!

ros-sig-turtlebot@googlegroups.com

In Future - Expected in Hydro



- New Android app framework
- TurtleBot Web
- TurtleBot Simulation
- Multi-Robot framework



More Information



- ROS wiki : <http://www.ros.org/wiki/Robots/TurtleBot>
- Github: <https://github.com/turtlebot>
- TurtleBot SIG : ros-sig-turtlebot@googlegroups.com
- TurtleBot website: <http://www.turtlebot.com>
- iClebo Kobuki: <http://kobuki.yujinrobot.com>

QnA

