

# The Newcomers Guide To ROS+MORSE

Zhi Yan

March 6, 2014

1. **What is Frontier-based Exploration?**  
<http://www.robotfrontier.com/frontier/>
2. **What is ROS?**  
<http://wiki.ros.org/>
3. **What is MORSE?**  
<http://www.openrobots.org/wiki/morse/>
4. **CAR Team has turtlebot, I want to play with it!**  
[http://wiki.ros.org/turtlebot\\_simulator](http://wiki.ros.org/turtlebot_simulator)
5. **May be something I'll want to know first...**  
<http://wiki.ros.org/roslaunch>  
<http://wiki.ros.org/rviz>
6. **I want to take a look at the famous Pioneer robot!**  
<http://wiki.ros.org/p2os-vanderbilt>  
<http://mobotica.blogspot.fr/2011/10/maps-from-stage-simulations-in-ros.html>  
<http://mobotica.blogspot.in/2011/11/maps-from-stage-simulations-in-ros-part.html>  
[http://flrcg.rasip.fer.hr/laricswiki/index.php/ROS:Pioneers\\_Navigation\\_and\\_Mapping](http://flrcg.rasip.fer.hr/laricswiki/index.php/ROS:Pioneers_Navigation_and_Mapping)  
[http://code.google.com/p/lego-nxt-car-like/source/browse/trunk/car\\_like\\_simulation/car\\_like\\_simulation.launch?r=40](http://code.google.com/p/lego-nxt-car-like/source/browse/trunk/car_like_simulation/car_like_simulation.launch?r=40)
7. **How to use MORSE with ROS?**  
[http://www.openrobots.org/morse/doc/latest/user/beginner\\_tutorials/ros\\_tutorial.html](http://www.openrobots.org/morse/doc/latest/user/beginner_tutorials/ros_tutorial.html)  
[http://www.openrobots.org/morse/doc/latest/user/advanced\\_tutorials/ros\\_nav\\_tutorial.html](http://www.openrobots.org/morse/doc/latest/user/advanced_tutorials/ros_nav_tutorial.html)
8. **What can I simulate in MORSE?**  
<http://www.openrobots.org/morse/doc/latest/user/code/morse.middleware.ros.html>

9. **I like Python, may be I can use it with MORSE?**  
<http://www.openrobots.org/morse/doc/latest/pymorse.html>
10. **Okay, now I want something serious!**  
<http://wiki.ros.org/tf>  
<http://wiki.ros.org/gmapping>  
<http://wiki.ros.org/exploration>  
<http://wiki.ros.org/navigation>  
<http://wiki.ros.org/Clock>
11. **I want to write something...**  
<http://docs.ros.org/api/roscpp/html/index.html>  
<http://www.cplusplus.com/>
12. **Well, I'm not good at English...**  
<http://blog.csdn.net/column/details/ros-explore.html>