

IMcoders

[Alfonso Troya](#)

[Pablo Leyva](#)



Why?

- Robotize vehicles can be tough
- Integrating encoders is mechanically difficult



tinyurl.com/imcoders

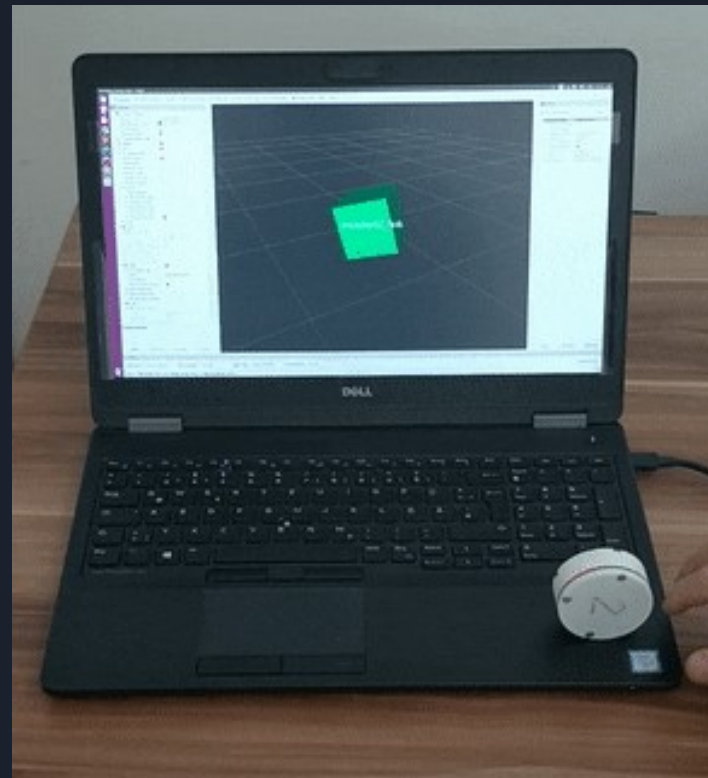
What it is?

IMcoders

Provides vehicle odometry with integration minimal effort

Features

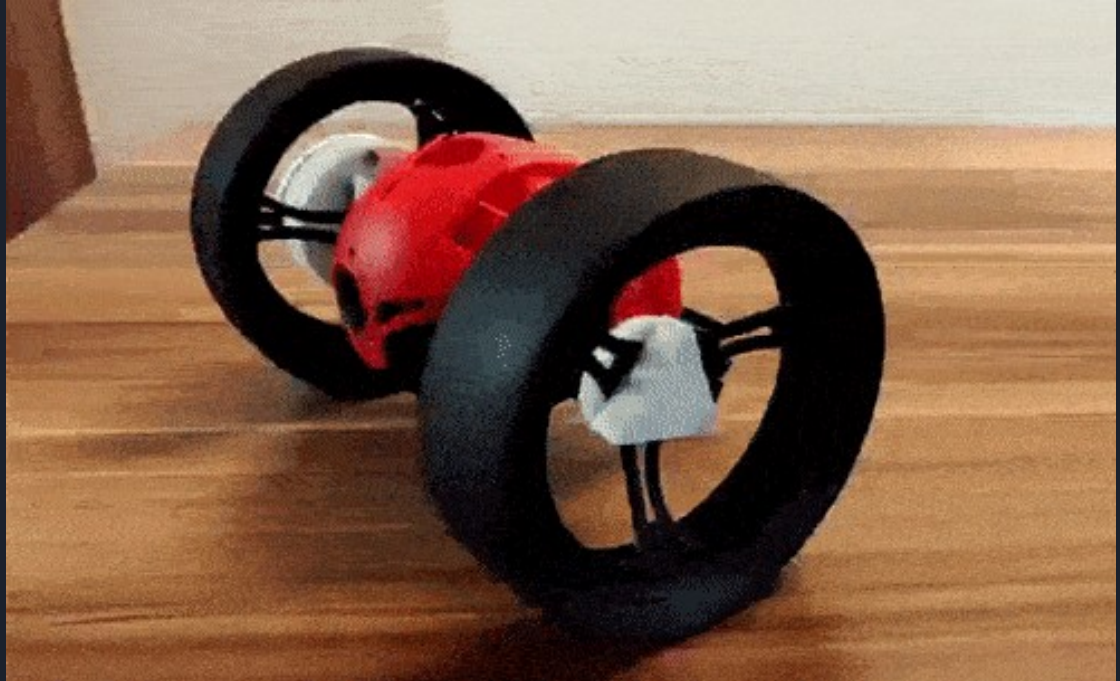
- ROS Integrated
- Wireless
- Drifting Detection
- Robot Kidnapping Detection
- Affordable Price





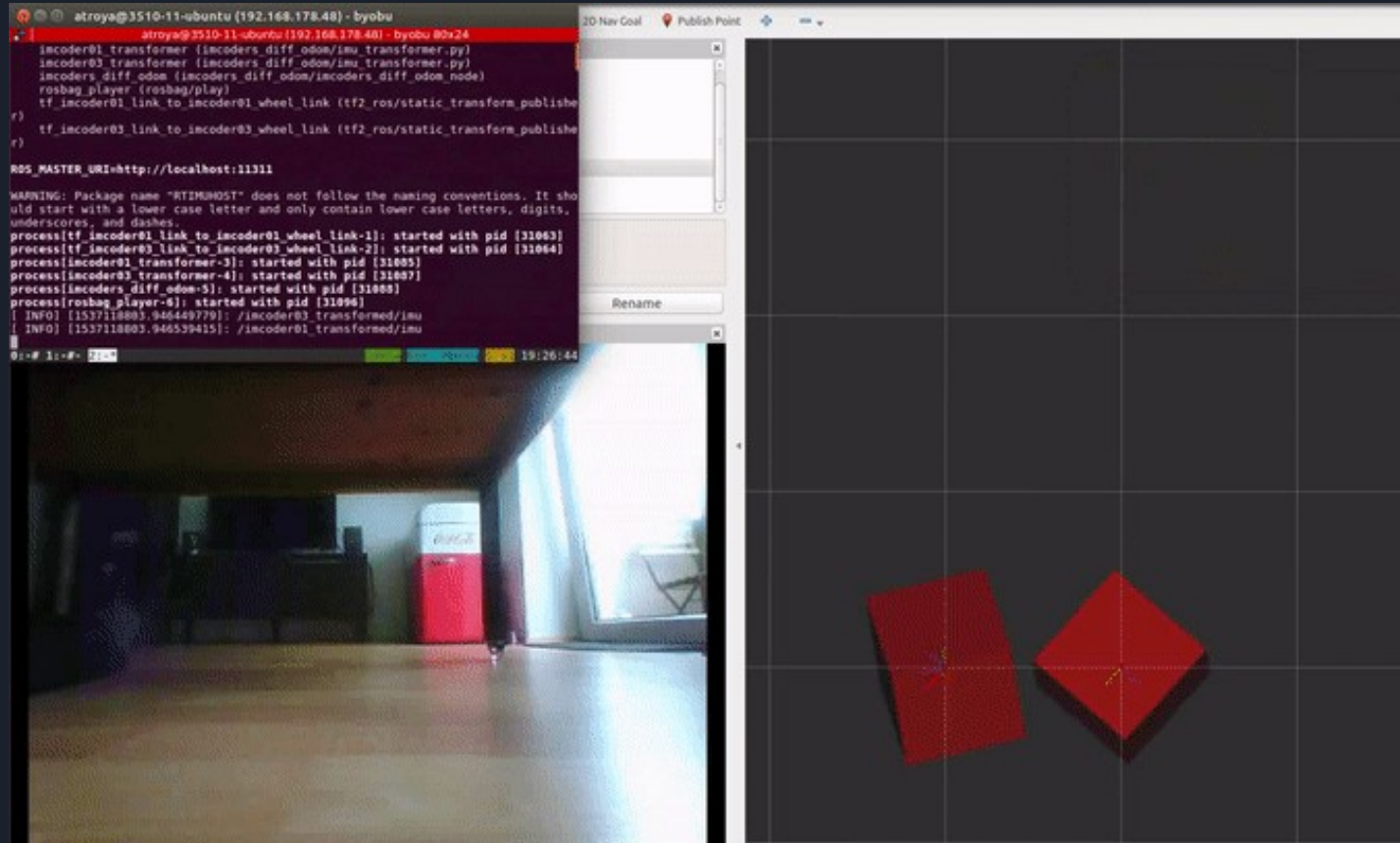
Real Robot Integration

- Parrot Jumping Sumo



Real Robot Integration

tinyurl.com/imcoders



Hackaday Competition

- Winner of the Hackaday Robotics Module Challenge
- Hackaday Prize finalist (still ongoing)



The screenshot shows the Hackaday website interface. At the top is the Hackaday logo (a skull with crossed wrench and screwdriver) and the word "HACKADAY" in large white letters. Below the logo is a navigation bar with links: HOME, BLOG, HACKADAY.IO, STORE, HACKADAY PRIZE, SUBMIT, and ABOUT. The date "September 16, 2018" is on the right. The main article is titled "USING IMUS FOR ODOMETRY" by "Brian Benchoff". It has "33 Comments" and a date of "June 17, 2018". Below the title is a social media sharing bar with icons for Facebook, Twitter, and Google+. The article image shows a white cylindrical sensor module connected to a green PCB labeled "IMCoders V0.2". To the right of the article are three sections: "SEARCH" with a search bar and a yellow "SEARCH" button; "NEVER MISS A HACK" with social media icons for Facebook, Twitter, YouTube, RSS, and Email; and "SUBSCRIBE" with an email input field and a yellow "SUBSCRIBE" button. At the bottom right, there is a section "IF YOU MISSED IT" featuring a small image of a space elevator and the text "ONE SMALL STEP FOR A SPACE ELEVATOR" with "93 Comments".

HACKADAY

HOME BLOG HACKADAY.IO STORE HACKADAY PRIZE SUBMIT ABOUT September 16, 2018

USING IMUS FOR ODOMETRY

by: Brian Benchoff 33 Comments June 17, 2018

f t g+

SEARCH

Search ... **SEARCH**

NEVER MISS A HACK

f t y r e

SUBSCRIBE

Enter Email Address **SUBSCRIBE**

IF YOU MISSED IT

ONE SMALL STEP FOR A SPACE ELEVATOR 93 Comments

Project Public Links

- GitHub

<https://github.com/solosito/IMcoders>

- ROS Discourse

<https://discourse.ros.org/t/imcoders-easy-to-install-and-cheap-o-dometry-sensors/>

- Hackaday Contest

<https://hackaday.io/project/158496-imcoders/>

