



欢迎来到**机器人**的世界

主讲人：田博

Tianbot 创始人

机器人：国际现状



Google



Boston Dynamics



大疆 Matrice 100



Fetch Robotics-Fetch/Freight



NXROBO-BIG i



Willow Garage-PR2



Rethink Robotics-Baxter

机器人：国内现状



李克强总理感受百度机器人小度

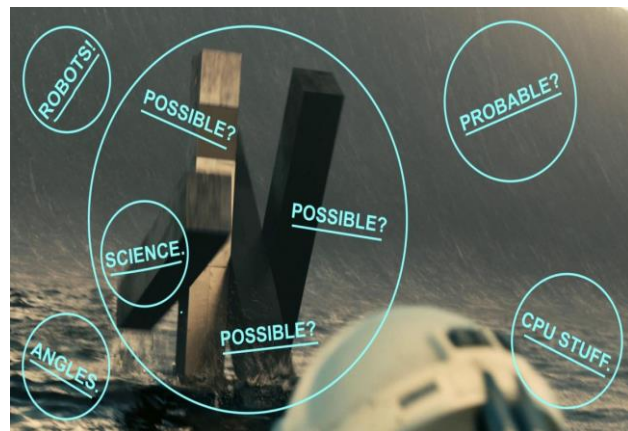


优必选机器人登上央视春晚

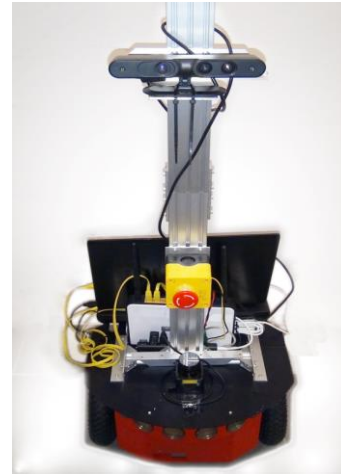
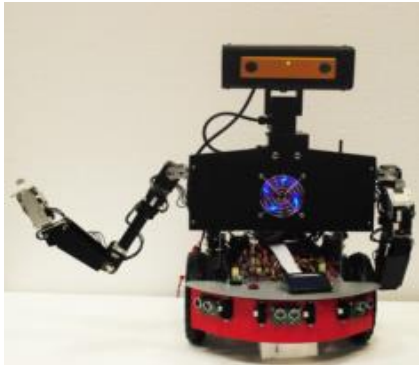


科沃斯扫地机器人改变家庭清洁方式

科幻故事中的机器人发展



我的机器人研发经历



TARSBOT
塔斯机器人

面向商业的服务机器人



移动巡检 接待引导



机器人发展趋势

规划和控制

移动性能

**适应性
与空间认知**

理解力
与安全性

物质决定谁的意识？

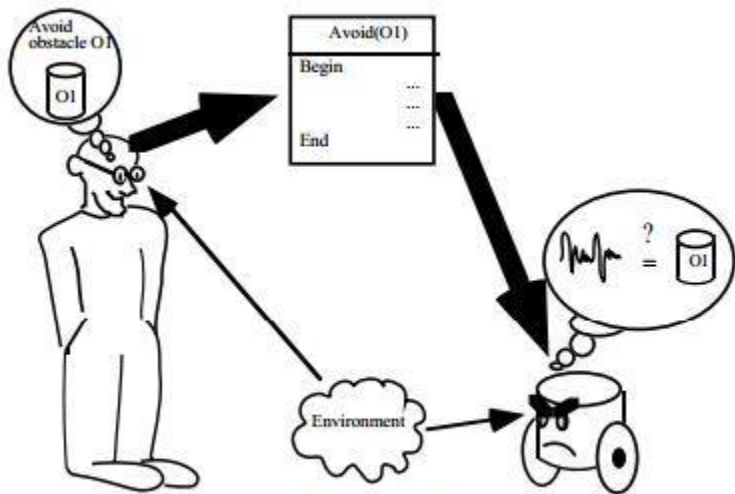


Figure 1

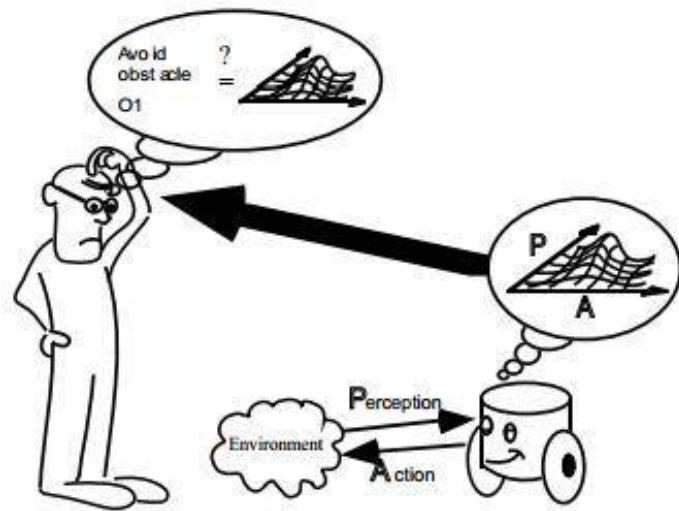


Figure 2



It begins with the birth of a new people, and the choices they will have to make, and the people they will decide to become.

How Robotics Research Keeps...

Re-Inventing the Wheel

First, someone publishes...



...and they write code that barely works but lets them publish...



...a paper with a proof-of-concept robot.



This prompts another lab to try to build on this result...



But inevitably, time runs out...



...but they can't get any details on the software used to make it work...



...and countless sleepless nights are spent writing code from scratch.



So, a grandiose plan is formed to write a new software API...



...and all the code used by previous lab members is a mess.

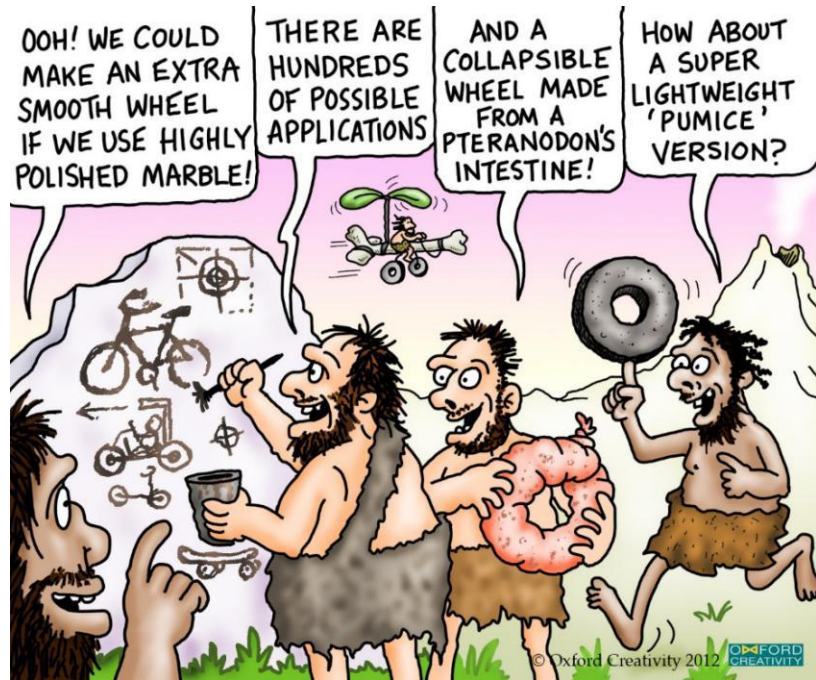
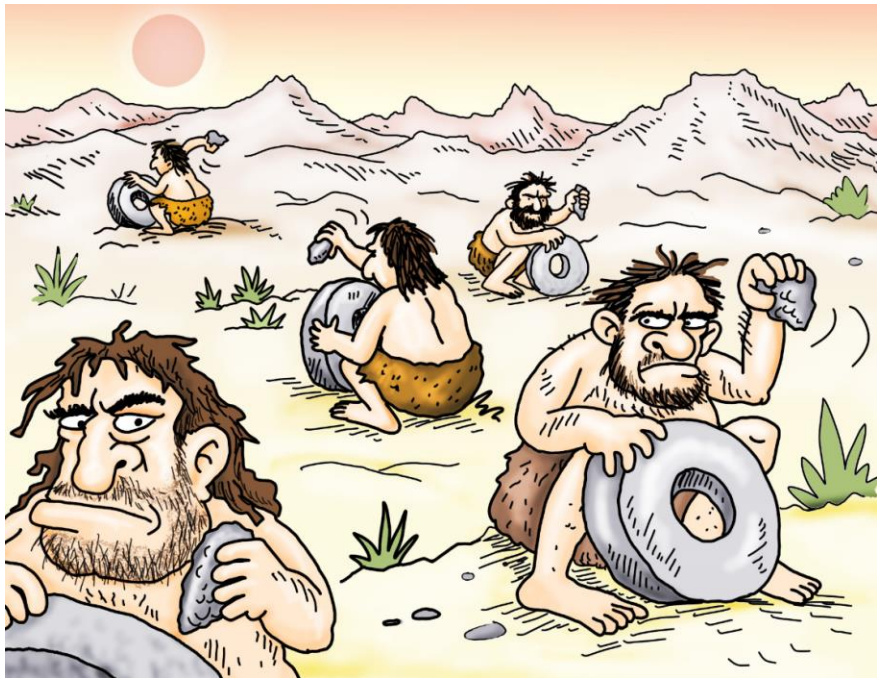
多学科——软件、机械、电子、算法...

软硬件不是即插即用（驱动、接口）

缺乏统一标准，难以整合已有成果和资源

缺乏功能库和开发工具

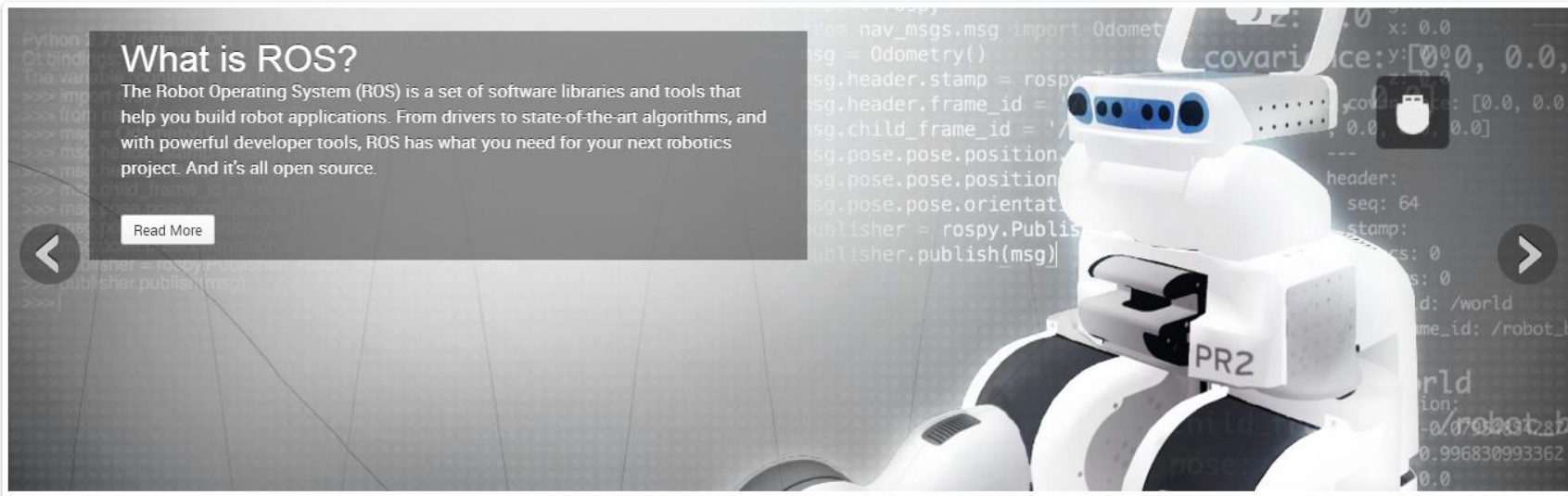
重复造轮子？



What is ROS?

The Robot Operating System (ROS) is a set of software libraries and tools that help you build robot applications. From drivers to state-of-the-art algorithms, and with powerful developer tools, ROS has what you need for your next robotics project. And it's all open source.

[Read More](#)



ROS Kinetic Kame
Kinetic Kame is the 10th official ROS release. It is supported on Ubuntu Wily

ROS Spotlight: ROS Lunar Loggerhead
Tshirts Available!



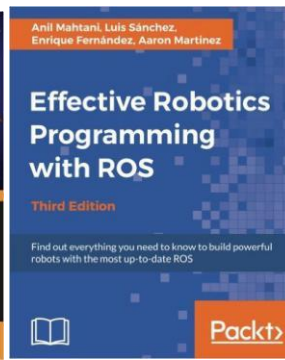
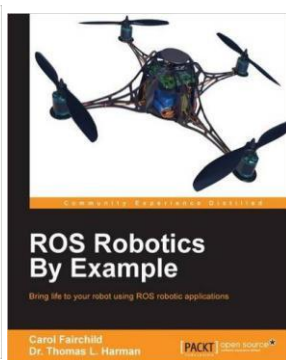
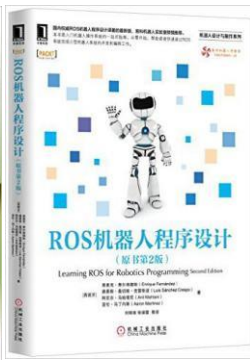
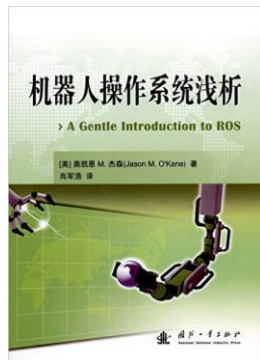
Wiki
Find tutorials and learn more



ROS Answers



如何学ROS ?



ROS Robots



国际知名企业机器人企业以ROS作为机器人研发首选

Nvidia、博世、高通、英特尔、宝马、大疆等
国内外各大公司纷纷推出ROS接口



入道在这里
知乎个人主页：贾子枫



入行在这里
天之博特公众号

我们的公开讲座



如何玩转 ROS 机器人程序设计

贾子枫, Top Liu

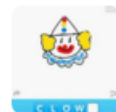
科学技术 | ★★★★★ 305 人参与



畅谈 SLAM 即时定位建图技术

贾子枫, 半闲居士

科学技术 | ★★★★★ 503 人参与



机器人技术的行业发展与创业方向

贾子枫

科学技术 | ★★★★★ 625 人参与

硬创
公开课
第115期

ROS

Top Liu

易科机器人实验室
(星火计划) ROS公开课联合发起人

01-12 20:00

硬创
公开课

神经认知学
在机器人中的发展和应用

田博
TIANBOT 资深机器人研究工程师

4月13日 周四 晚上8点
直播平台: APP、斗鱼、ZAKER



直播总结文 回放视频 扫描下方二维码关注公众号
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封面人物 林天麟

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谢谢大家