

New Research in Mobile Robots Ideas for your project! 3/23/2021

This is quick survey – you can fill it in with your own references! (Self Driving cars covered later in course.)

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Where to spot mobile robots in 2020

JANUARY 14, 2020 BY **KAYLA MATTHEWS**

<https://www.cobottrends.com/where-spot-mobile-robots-2020/>

Autonomous Mobile Robots

By Michelle Schlechtriem | March 17, 2021

<https://www.roboticsbusinessreview.com/tag/autonomous-mobile-robots/>

2021: The Year of Robotics and Artificial Intelligence

By Rob Enderle Jan 4, 2021 4:00 AM PT

<https://www.technewsworld.com/story/86968.html>

CONFERENCES FOR MOBILE ROBOTS

Mobile Robots Conferences 2021/2022/2023

Mobile Robots Conferences 2021/2022/2023 is an indexed listing of upcoming meetings, seminars, congresses, workshops, programs, continuing CME courses, trainings, summits, and weekly, annual or monthly symposiums. **14 in April 2021 alone!!**

<https://conferenceindex.org/conferences/mobile-robots>

International Conference on Mobile Robot Navigation and Applications
ICMRNA on April 22-23, 2021 in Boston, United States

<https://conferenceindex.org/event/international-conference-on-mobile-robot-navigation-and-applications-icmrna-2021-april-boston-us>

EXAMPLE TOPICS AT BOSTON CONFERENCE:

Mobile robot navigation
Self-localization
Path planning
Map-building and map interpretation
Vision-based navigation

Indoor navigation
Robot localization
Computer vision for mobile robot navigation
Active vision
Applications
Major projects in robot navigation
The robot system
Robot models and notation
Vision tools
Map building and sequential localization
Continuous feature tracking, and developing a strategy for fixation
Autonomous navigation

ICMRNCV 2021: 15. International Conference on Mobile Robot Navigation and Computer Vision aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Mobile Robot Navigation and Computer Vision. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Mobile Robot Navigation and Computer Vision

April 22-23, 2021 in New York, United States

<https://waset.org/mobile-robot-navigation-and-computer-vision-conference-in-april-2021-in-new-york>

GENERAL SERVICE AND MEDICAL ROBOTS

How cobots are automating rapid COVID-19 tests

FEBRUARY 11, 2021 BY **STEVE CROWE**

<https://www.cobottrends.com/category/biotechnology-medical-healthcare/>

More Disinfecting Robots Come to Market

Increasing numbers of autonomous mobile robots are being developed to help facilities address the need for repeated disinfecting in response to COVID-19.

[David Greenfield](#) Jul 29th, 2020

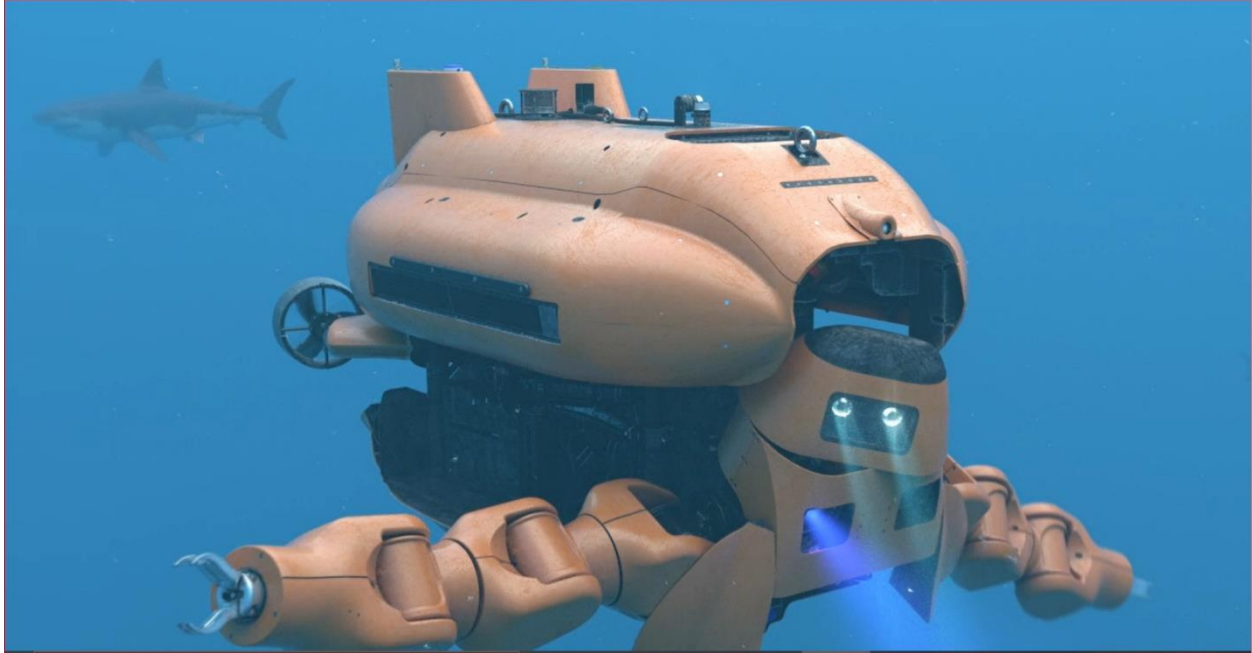
Fetch Robotics has announced the release of its [SmartGuardUV disinfecting autonomous mobile robot](#)

<https://www.healthcarepackaging.com/home/article/21141622/more-disinfecting-robots-come-to-market>

<https://fetchrobotics.com/smartguarduv/>

UNDERWATER ROBOTS

Houston Mechatronics.



<https://www.houstonmechatronics.com/aquanaut/>

<https://www.houstonmechatronics.com/>

<https://www.houstonmechatronics.com/about-us/>

Nick, Reg.

Underwater Drones – The Boom in Robotics Beneath the Waves 2018

By [Tom Metcalfe](#) January 21, 2018

<https://www.livescience.com/61431-underwater-drones.html>

FLYING ROBOTS

15 Future Flying Cars that will Change the World 18:04

530,981 views • Jul 15, 2020 18:04

<https://www.youtube.com/watch?v=vGRAhOjAX5Q>

SkyDrive Flying Car

No pilot's license necessary—it's all automated.

<https://tidbits.com/2021/01/25/ces-2021-family-firewalls-flying-cars-and-creepy-pet-robots/>

The astounding athletic power of quadcopters | Raffaello D'Andrea 16:08

<https://www.youtube.com/watch?v=w2itwFJCgFQ>

In a robot lab at TEDGlobal, Raffaello D'Andrea demos his flying quadcopters: robots that think like athletes, solving physical problems with algorithms that help them learn. In a series of nifty demos, D'Andrea show drones that play catch, balance and make decisions together -- and watch out for an I-want-this-now demo of Kinect-controlled quads.

Ehang – Flying Taxi

<http://www.ehang.com/ehang184>

2019 MOBILE ROBOTS

6 noteworthy developments in mobile robots from 2019 By Kayla Matthews | December 15, 2019

<https://www.therobotreport.com/mobile-robots-6-noteworthy-developments-2019/>