

Welcome to the Oct 2020 Meeting of the Seattle Robotics Society





Video Provided by Microsoft Teams



- Please mute your microphone unless you have something to share.
- Send messages to me via the chat.
- We will follow the typical agenda as best we can.
- Suggestions and ideas are welcome.

Club Business
Presentations
Robothon
Kits
Workshops
Round-the-Room
Other items
Presentation
Conclusion
Workshop?





From the Web...



Autonomous Driving Demo Uses Just a 5G Remote Backup Driver



Club Business



SeattleRobotics@YahooGroups.com

is now

SeattleRobotics@Groups.io

Please join [Groups.io](mailto:SeattleRobotics@Groups.io)





Club Business



1. Messages can be sent to SeattleRobotics@YahooGroups.com
2. No way to browse messages like before
3. New group : SeattleRobotics@Groups.io
4. **I need backup meeting leaders**





Coming Presentations are posted on SRS Homepage

We're always interested in ideas, suggestions, feedback, on/for presentations & help arranging them. Talk to people. Invite them to speak. Send me contact info for actual scheduling.

SeattleRoboticsSociety@gmail.com





Always welcome Assistance Soliciting Presenters

- Invite online presenters from anywhere in US.
- Email message template available upon request.
- Customize the message for each potential presenter.
- Include the SRS@gmail address in the cc: line.
- Send out as many requests as you can.
- Also consider leading a facilitated discussion.

SeattleRoboticsSociety@gmail.com





2020/2021 Presentation Plan



Aug - Online, Hosted by Lloyd Moore

Sep - "How to Catch a Drone" (with sports equipment)

Oct - Microsoft Edge Robotics

Nov - Some sort of Open Discussion - Topic TBD or other pres.

Dec - open

2021

Jan - Virtual Robothon Mini Sumo following meeting (no pres.)

Feb - open

Mar - open

Apr - open

May - open

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Open Discussion Forums



1. Internet of Things (IoT & Industrial IoT)
2. What About the Growing Skills Shortage?
3. Medical Diagnosis by Computers Instead of Doctors?
4. Interesting Robot Sensor Technologies
5. Robot Mobility Systems (Locomotion technologies)
6. Virtual/Augmented Reality
7. Electric Vehicles & Technology
8. Autonomous Vehicles
9. Other Topics?

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Advanced Technology Exhibitions from Your Home/Office & Meet 750 Exhibitors



Join Advanced Technology Exhibitions from Your Home/Office & Meet 750 Exhibitors

Under the current situation caused by COVID-19, the following 4 exhibitions are going to be held both onsite and online.

Join the shows from anywhere, and find suppliers, new technologies, etc.!

<4 Shows to be Co-held both Onsite & Online>

- **3rd NEPCON NAGOYA** [Electronics R&D and manufacturing technology]
- **3rd AUTOMOTIVE WORLD Nagoya** [Advanced automotive technology]
- **3rd RoboDEX Nagoya** [Various industrial robots and robotics technology]
- **3rd SMART FACTORY Expo Nagoya** [All smart factory solutions from IoT/M2M tech. to AGV]

Dates: October 21(Wed)-23(Fri), 2020

Time: 10:00 – 17:00 (UCT+9)

Venue: Portmesse Nagoya / Online

No. of Exhibitor: 750 (expected / total of the 4 shows)

Entry Fee: Free *pre-registration required.

Registration for onsite/virtual exhibition: <https://www.robodex-nagoya.jp/en-gb.html#Registrations>

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Please refer to the website for the details.

- 3rd NEPCON NAGOYA: <https://www.nepconjapan-nagoya.jp/en-gb.html>
- 3rd AUTOMOTIVE WORLD Nagoya: <https://www.automotiveworld-nagoya.jp/en-gb.html>
- 3rd RoboDEX Nagoya: <https://www.robodex-nagoya.jp/en-gb.html>
- 3rd SMART FACTORY Expo Nagoya: <https://www.sma-fac-nagoya.jp/en-gb.html>

For enquiries, please contact Show Management.

Contact:

Attn.: Itsuki Imamura

Reed Exhibitions Japan Ltd.

TEL: +81-3-3349-8502

Email: visitor-eng.inw-n@reedexpo.co.jp



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Robothon Committee

Virtual ROBOTTHON Jan 2021



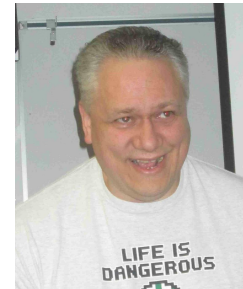
Lloyd



Donna



Jim



James



Mark

Mini Sumo (500g)

Robothon.org



Virtual Mini-Sumo Contest

Date: January 16, 2021 - Third Saturday

– On SRS meeting day after club meeting

Where: Microsoft Teams – a Live Event

How: Get your bot to Donna

- Drop off at Fieldhouse
- or snail-mail it to her
- Donna will manage\run the bots during the contest.

More details coming soon: contest rules, virtual requirements for entries.

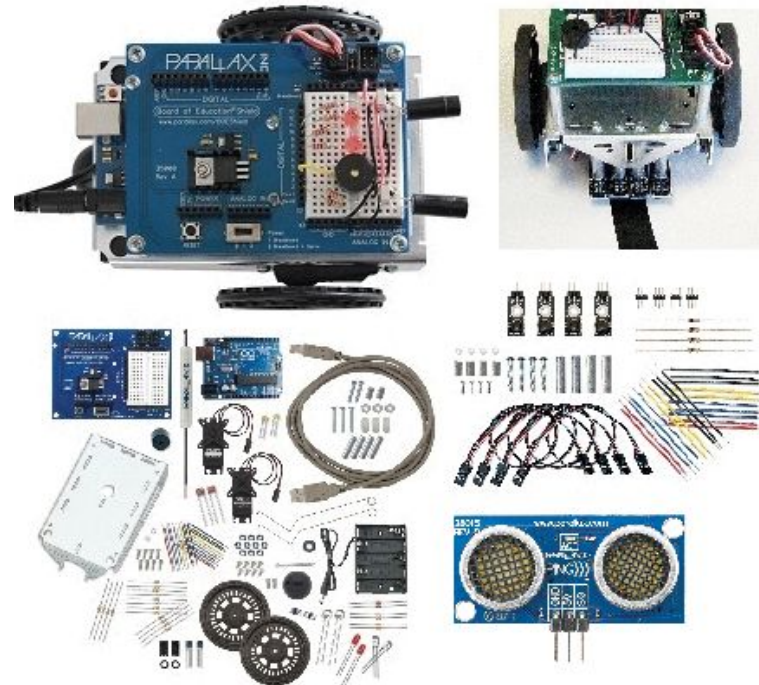
See **Robothon.org** with details and registration!!!

Interested in Purchasing a Workshop Robot Kit?

Arduino UNO-based

Kits can be ordered for purchase for **\$125** cash, check, or card (preferred). Need to arrange meeting to pay & for delivery.

Please use your kit(s) to support club activities and contests. Come to the workshops. Bring your robot to future meetings.

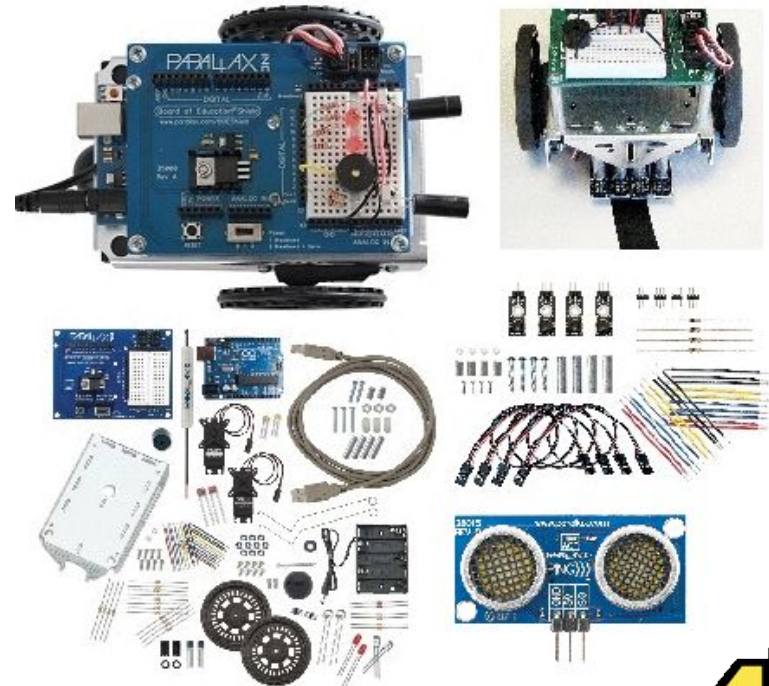


Interested in Purchasing a Workshop Robot Kit?

Parallax Propellor Chip-based

Kits available for purchase for **\$135** cash, check, or card (preferred). Need to arrange meeting to pay & for delivery.

Please use your kit(s) to support club activities and contests. Come to the workshops. Bring your robot to future meetings.





Virtual Robot Workshops

- Interest in some sort of online robot workshop? YES
- What do they look like (structure, format, etc.)? LOOSE
- How often makes sense? Monthly, following reg. meeting
- Who would host them? SDK or others





Round-the-Web

Have Something to Share?

- FIRST Name so we can build agenda list
- Speak up so everyone can hear
- **Hold Sharing for Later** (I'll call on you)
- Mingling time after presentation
- Wrap up R-the-R by 11:30
- Short break before presentation
- **Presentation**
- Final questions and information
- Meeting adjourned
- Virtual Workshop?

LINEUP

- 1.
- 2.
- 3.
- 4.





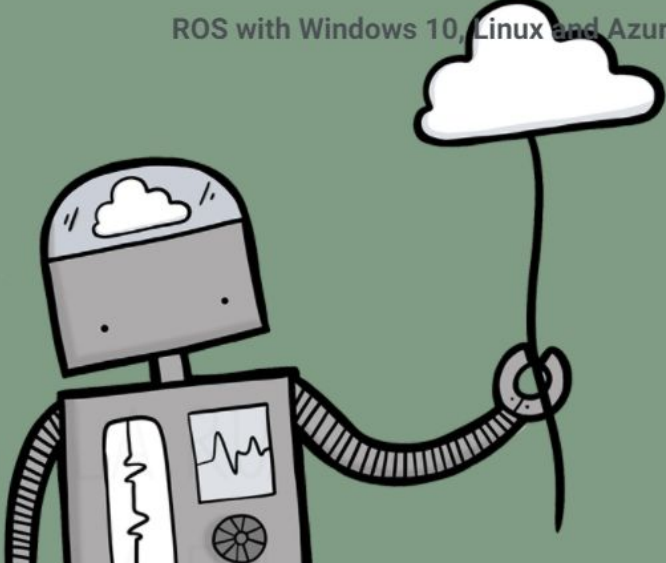
Today's Presentation

Microsoft Edge Robotics

Lou Amadio & Martin Tuip



ROS with Windows 10, Linux and Azure



Bringing the intelligent edge to robots with ROS on Windows 10, Linux and Azure.

[Get started with ROS 1](#) [Get started with ROS 2](#)

[Join the ROS community](#) [ROS support at Microsoft](#)

The complex block features a green background. On the left, a cartoon robot with a grey body and a white cloud on its head holds a string attached to a white cloud. The text 'ROS with Windows 10, Linux and Azure' is at the top left. The main text 'Bringing the intelligent edge to robots with ROS on Windows 10, Linux and Azure.' is centered. Below this are four buttons: 'Get started with ROS 1', 'Get started with ROS 2', 'Join the ROS community', and 'ROS support at Microsoft'.



For Next Month



- Same link should work next month but watch lists
- Watch SRS website for details about next month's mtg
- Help us find presenters
- Send feedback to **SeattleRoboticsSociety@gmail.com**

- Will keep meeting running for the **workshop** for a while

