

Welcome to the July 2021 Meeting of the Seattle Robotics Society





Video Provided by Zoom



- **We are now recording meetings and posting them to Youtube.**
- Please mute your microphone unless you have something to share.
- Send info to share & capture into the Zoom Chat.
- We will follow the typical agenda.
- Suggestions and ideas are welcome.

10AM - Welcome

Club Business

Events of Note

Today's and future Presentations

Robothon Updates

SRS Robot Kits

Round-the-Virtual Room ← Save your sharing for here

Other items

--Short break (~10 mins)

Presentation

Conclusion

Optional workshop (unhosted)





Sharing Info and Links



Use the ZOOM Chat to ask questions, make comments, capture links, and any other information you wish to share during and after this meeting.





Club Business



FIRST Washington should select a new location in the fall (~Oct). Probably between Kent and Tacoma. Somewhere around that time our in-person meetings should start in their new facility.

The Robothon, SRS Meeting, and FIRSTWA equipment is in storage for now.





More Club Business



Online access to our meetings will likely continue once we start gathering in-person. This will increase the meeting setup and logistics considerably so I will need assistance from 1-2 people at the meetings to run the equipment (computers, cameras, etc.).

Can I count on you all? Contact me at **SRS email**.



SeattleRoboticsSociety@gmail.com





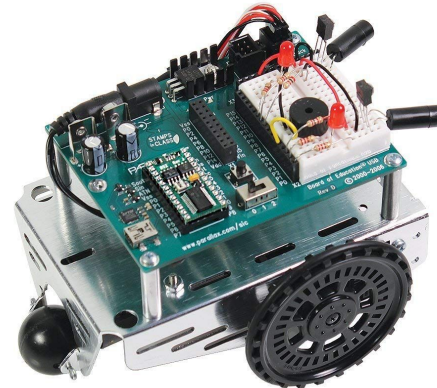
Kids Robotics Classes

SRS Community Outreach



Steve Kaehler will be doing a weekly robotics class
I'll be teaching kids at a church in Burien
We've moved on to Elegoo Smart Robot Car V4.0 kits

Steve K. & Jim K have been asked to do classes at SCS
We'll use their Parallax Basic Stamp2 Boe-Bot kits
Kids will assemble & program their robots
Anyone is interested in assisting, contact us at SRS email.





The SRS website is getting a major upgrade

Adding an improved “Getting Started” section.

Need suggestions for videos, tutorials, kits, your suggestions, guidance, etc. that might help:

- 1) Very beginners with no experience
- 2) Some experience but need guidance
- 3) Moderately technical (Mech/Elect/SW Engrs.)



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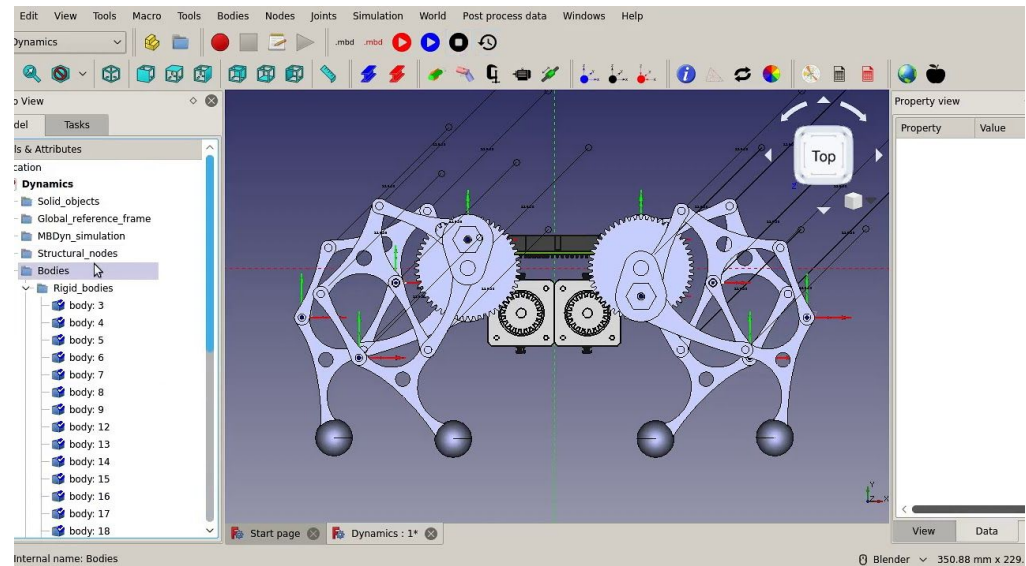
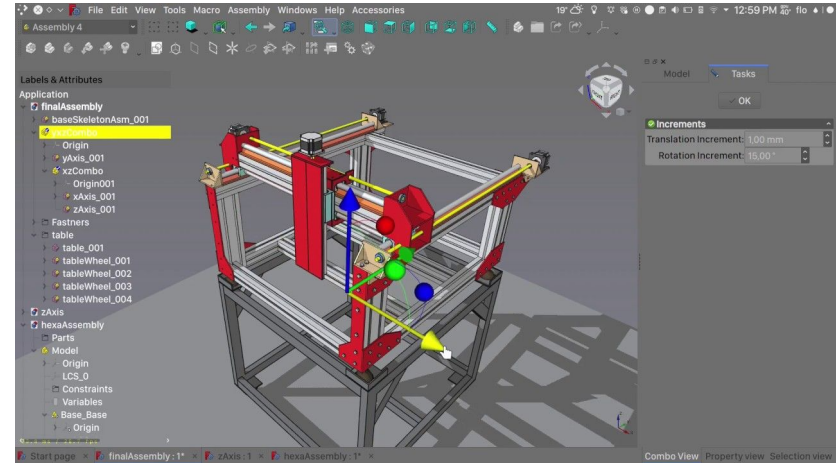


Presentation Coming Up Shortly...

Zheng Lei - FreeCAD Developer



Using FreeCAD to design Robots & other Interesting things





Please Solicit Presenters

- Invite online presenters from anywhere in US.
- International presenters possible w/alt. mtg time.
- Include the SRS email address in the cc: line.
- Send out as many requests as you can.
- Consider presenting on your projector.
- Consider leading a facilitated topical discussion.

SeattleRoboticsSociety@gmail.com





Coming Presentations are posted on SRS Homepage

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

Feb 2022 will be a one-time afternoon meeting 3-5pm PDT to accommodate a presenter from Japan.



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2021-2022 Presentation Plan



July - O/L, Zheng Lei: FreeCAD and Robotics

Aug - O/L, DPRG RoboColumbus contest starting ~10:30 PDT

Sep - O/L, Josh Pieper: Founder of mjbots Robotic Systems

Oct - O/L, Nicholas Fragale, Rover Robotics

Nov - O/L, Jennifer Buehler: Hetero. Multi-Robot Sys.

Dec - O/L, Can Altineller: ROSRider and FXIMU boards

Jan - O/L, Miro Voellmy: ExoMy 3D Printed Mars Rover

Feb - O/L, Yukata Kondo: ROS2 Robots & Manipulators

Special, One-Time Meeting Adjustment: 3-5pm PST

Mar - O/L, James Newton: Dexter Robot Arm

Apr - O/L, Facilitated Discussion, Topic TBA

May - O/L, presentation: open

June - O/L, presentation: open

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Special Thank You to Robert Kellogg for feeding us lots of presenter suggestions!!



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Open Discussion Forums



Could be Used to Fill Some Time before VRE

1. What About the Growing Skills Shortage?
2. Medical Diagnosis by Computers Instead of Doctors?
3. Interesting Robot Sensor Technologies
4. Robot Mobility Systems (Locomotion technologies)
5. Virtual/Augmented Reality
6. Autonomous Vehicles
7. Electric Vehicles & Technology
8. Other Topic ideas to email below:

SeattleRoboticsSociety@gmail.com





Robothon Committee



Next ROBOTHON event in 2021



Lloyd

Donna

Bob

Rob

Dave

Virtual Robothon Exhibition debrief

Was July 10th Noon~3pm PDT

2nd Event planned for October



Robothon.org





RoboColumbus

Dallas Personal Robotics Group

RoboMagellan Like Contest on **Aug 21**



dprg.org

Contest Starts at 10:30

We'll tune in during our meeting
instead of presentation

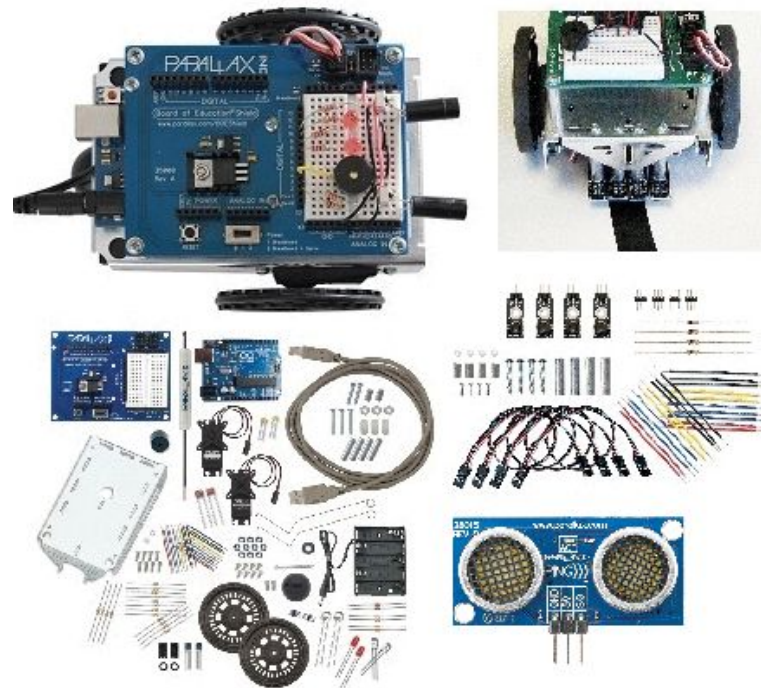


Interested in Purchasing a Workshop Robot Kit?

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.



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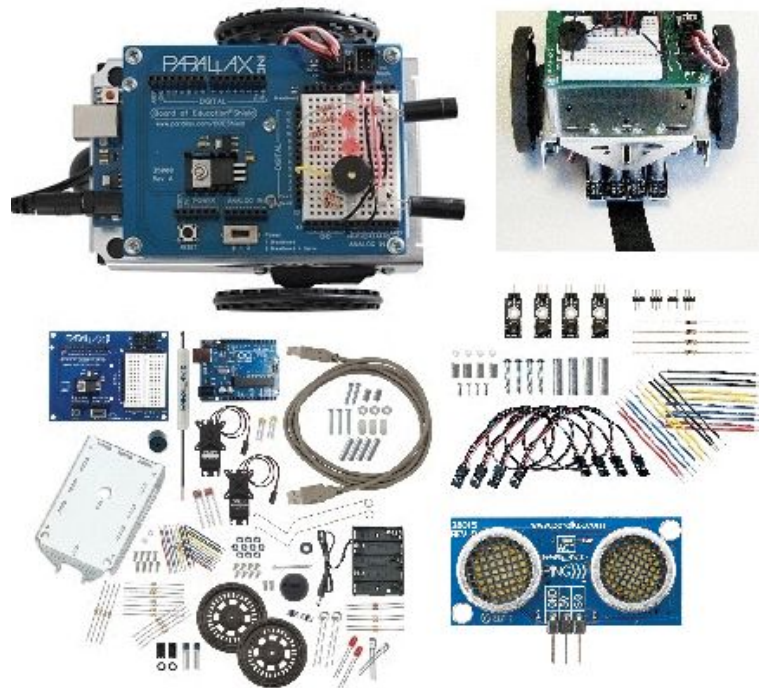


Interested in Purchasing a Workshop Robot Kit?

Parallax Propellor Chip-based

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

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Virtual Robot Discussions/Workshops

- The ZOOM meeting can continue as long as there's interest.
- They can happen monthly, following the regular meeting.
- We'll continue to host them for as long as folks are interested.
- **Workshops will NOT be recorded.**





Round-the-Web

Have Something to Share?



- Who has something to share?
- Wrap up R-the-W by 10:55-11:00 PDT
- 10min break before presentation
- **Presentation**
- Final questions and information
- Meeting adjourned
- Virtual Workshop this month?





B4 Break Review for Next Month



- Same ZOOM link next month
- Meeting recordings will be posted to website soon.
- Check SRS website for upcoming meeting details
- Help us find presenters:
 - SeattleRoboticsSociety@gmail.com
- Send meeting feedback to:
 - SeattleRoboticsSociety@gmail.com
- **Thank you for sharing in the Chat!**
- The presentation is coming in about **10 minutes**





Presentation Coming Later

Zheng Lei - FreeCAD Developer

Using FreeCAD to design Robots & other Interesting things

FreeCAD

Your own 3D parametric modeler

