



ANNUAL MEETING 2019

Date | time January 12, 2019 | Noon
Prepared by Doug Paradis, DPRG Secretary

Agenda

- Ray Casler, the current president, will sum up the club's 2018 activities and discuss the state of the club.
- The candidates for 2019 officer positions will be introduced.
- The 2019 election will be closed after all attendees have had a chance to vote.
- Ron Grant, the election overseer, will combine the votes received prior to the meeting by email and the votes made at the meeting, and announce the election results.
- The new president will take office.
- The new president will lead the annual planning meeting.
- The club's 2019 annual planning meeting will start:
 - Determine community events that the club will participate in.
 - Formation of Roborama committee.
 - Formation of Donkey Car committee.
 - Determine topics that members want to have presented at the monthly meeting and ask for volunteers to cover topics.
 - Listen to suggestions and ideas on how to make the club better.
- Member show and tell of projects.

Outgoing President Summary of 2018

Ray Casler summarized the club activities of 2018:

- "Make More Robots" tutorial series consisting of 5 sessions, 15 hours of instruction was developed and taught by Doug Paradis in February and March. The series covered basic robot construction, typical behaviors, and Arduino based coding. A \$22 robot kit from Amazon was used as the base robot for the course.
- A graduation competition for the "Make More Robots" series class was held in March. The competition consisted of line following and quick trip contests.
- Presentations:
 - LiDAR by Carl Ott (Apr)
 - Can Bus by Scott Gibson (Jun)
 - Fuzzy Logic by Doug Paradis (Jul)
 - Arm Based Subsumption by David Anderson (Aug)
 - JavaScript and NodeJS by Carl Ott (Sep)

- FIRST Regional Robot Overview by Iron Reign / Line Following by Clay Timmons (Dec)
- DPRG participated in several community activities:
 - Fort Worth Museum of Science – iMake and Science on Tap Events (Mar 16th)
 - Robot Workshop – joint activity between DPRG and Iron Reign (Apr 29th)
 - Frontiers of Flight Museum’s Moon Day Event (Jul 21th)
 - Robot Showcase at Devfest (Oct 13th)
 - One member volunteered to be a judge at FIRST competitions (Nov 13th).
- DPRG held 2 competitions:
 - Roborama in May which include contests for students (STEM) and adults
 - Fall indoor contest in November– Line following (all levels), 6 Can, Quick Trip

Officer Candidates for 2019

The candidates for club officers were introduced:

President: Ray Casler

Vice-President: Carl Ott

Treasurer: Steve Edwards

Secretary: Doug Paradis

Librarian: John Kuhlenschmidt

Election of Officers for 2019

Ron Grant, the election overseer, combined the votes received prior to the meeting by email, written proxies, and the votes made by members at the meeting. He announced that the proposed slate of officers was elected with 19 of the 32 members voting (59.4% of members) voting for everyone on the slate with no objections.

New President

Ray Casler, reelected president, addressed the club and stated the following goals.

- Learn more about AI and vision systems.
- Gain more new members.

Community Events for 2019

The following community events were decided on for 2019:

Scheduled

- Donkey Car collaboration with Hackster.io (starting in Jan)
- “Build More Robots – 2” tutorial series (Mar)
- Fort Worth Museum of Science – iMake and Science on Tap Events (Apr 6th)
- Tanner Robotics Exposition (tentative Apr 13th)
 - Incorporate a Donkey Car competition.
- Robot Workshop for students (late Apr)
- Trip to Austin Maker Faire (May 4th)
- Roborama (May 11th)

- Frontiers of Flight Museum Moon Day (Jul 20th)
- November Competitions (Nov 9th and 16th)
 - Add Sample Retrieval Contest to indoor competition.
 - Add Donkey Car contest to outdoor competition.

Non-Club – Volunteers only

- FIRST competition volunteer judges (Nov)

Roborama Committee

The following volunteered to be part of the Roborama committee:

- Doug Paradis
- Ron Grant
- Mary Mathias
- Dale Wheat (non-member)

Ideas brought up by members in Roborama discussion:

- Pursue obtaining prizes as early as possible.
- Pursue spreading news of the competition to schools.

Donkey Car Committee

The following volunteered to be part of the Donkey Car committee or were interested in Donkey Car:

- Carl Ott
- Paxton Forshey
- Jeffery Dang
- John Kuhlenschmidt
- Ron Grant
- Mary Mathias
- Johnathon Hottell, co-organizer of Hackster.io (non-member)
- David Ackley
- Richard Neveau
- Scott Gibson

Ideas brought up by members in Donkey Car discussion:

- Collaboration with Hackster.io on training sessions.
- Add Donkey Car contest to Tanner Expo in April.

Presentation Schedule

The tentative schedule of presentations is:

- Feb, OpenCV/Microsoft Kinect – Ray Casler
- Mar, Line Following with Simulations – Will Kuhnle and Ron Grant
- Apr, none due to other activities
- May, Roborama
- Jun, Bluetooth (BLE) – Brent Wilke Grimm (non-member)
- Jul, Club Picnic (proposed)
- Aug, LiDAR use – Scott Gibson (need to inform)

- Sep, Node Red / MQTT – Carl Ott
- Oct, Using Android phone and java on robots – Iron Reign (need to inform)
- Nov, Fall Competitions
- Dec, ARM Robot Update – David Anderson (need to inform)

Desired but unscheduled presentations:

- Using Movidius
- Basic AI (CNN /DL) – may be addressed in Donkey Car collaboration with Hackster.io

Show and Tell

Doug Paradis previewed rules for a new competition modeled after NASA's Sample Retrieval Challenge. The contest is scaled down for indoors and involves retrieving 5 distinct objects to a home base. Plans are to hold the competition at the Fall Competition in November. Final rule approval should be complete by February 1st.

Jeff Dang showed his robot which is in construction. Its chassis is an 1/8 scale RC vehicle. The sensor suite includes stereo cameras and LiDAR. Its main processor is a Nvidia board.