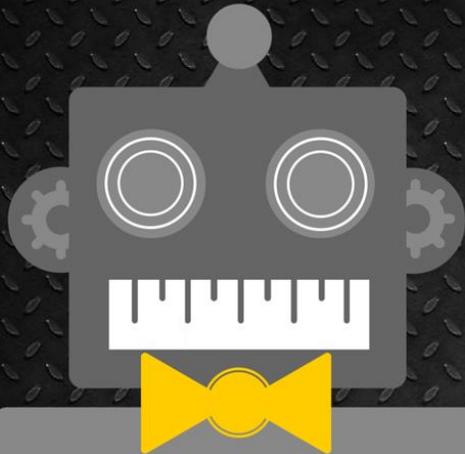




The Piqued Geek

Art by Eric Joyner



Upcoming Events:

BR Pancake Feed: Nov 7th, Lutheran Center

FRC JUMPSTART: Dec 3rd, SCSU

Large Group Meeting:

Next: Nov. 3rd

Alex Jurek –

Guest speaker from FIRST Robotics Competition Team
4607 CIS

Weekly Watts Up:

Find the BR Calendar! Discover BR GroupMe!

Access the BR Calendar right [HERE!](#) Also, make sure that you are a part of the General Bison Robotics GroupMe as well as any GroupMes for other projects in which you are interested! Contact jessie.lee@ndsu.edu for the general one and the project lead for the project ones!

JOIN TRELLO FOR MORE OPPORTUNITIES!

Trello is an amazing organizational tool that we use as a club to keep track of all our to-do lists etc. This is also where you can see what opportunities are available in the club to help you get more involved! To get on the Trello board (IT IS FREE), create an account at trello.com, and send Tyler.danielson@ndsu.edu your username! If you want to learn how to use Trello, check out the Member Guide!

Pancake Party Planning

Bison Robotics will be hosting a pancake feed on NOVEMBER 7th from 5-8pm at the Lutheran Center (across the street from STEM). Interested in helping plan this fun-filled yum-fest? Contact Sam ASAP! Also, if you are interested in helping out with fundraising in any way (eg. Talking to sponsors, planning/running events, etc.), be sure to attend! Have any potential sponsorship ideas or business connections? Email them to Samantha.ingersoll@ndsu.edu!

Have robo pics???

Send them to emma.schreifels@ndsu.edu! That way we can share them on social media/the website!

Volunteering is Appearing!

FIRST Robotics training event, Jumpstart, is happening on December 3rd in St. Cloud, MN. Bison Robotics members have been asked to help provide both presenters for the event as well as general volunteers in order to ensure the day runs smoothly. Also, it is about that time to be preparing for FIRST Robotics Competition volunteering! For this, members who are interested will need to begin picking roles, completing forms, and officially signing up. Volunteering at FRC Regionals is often the favorite event of many members, so we highly recommend that you get involved in this marvelous opportunity. More information on both of these will be available at the LGM this week, but if you are interested, contact Jordyn ASAP!

Check out...

Twitter

Facebook

Instagram

Vine

BR Website

Trello

Sun 10/30

Newsletter!

Mon 10/31

Weekly AGVR Meeting –
5pm, Dolve 123

Programming AGVR –
11am

Tues 11/1

ICCC: 8pm, Dolve 215

Career Preparation
Group: 7pm, Dolve 215

AGVR Electrical: 9am,
Dolve

Wed 11/2

NRMC Meeting: 7pm,
Dolve 202

Quadcopter Meeting:
6pm, Dolve 215

Thurs 11/3

Constitution
Committee: 1pm,
Upstairs Union, Art
Gallery Couches

BR LGM: 7:30pm, Dolve
215

Fri 11/4

Programming Palooza
(NRMC) – 5:30pm -11,
Dolve 201

Sat 11/5

If you have any questions, please contact Ryan Swanson at ryan.j.swanson@ndsu.edu! Thanks!



Project Updates

NRMC

Contact: Jacob.huesman@ndsu.edu

NRMC has started to buy parts for the robot! The mechanical design is just about complete already and looking quite sophisticated! As for programming, teleop is now working in Gazebo! The group is also looking for a space to create a full-sized pit in order to effectively test autonomous. If you have any ideas for this, please let them know!

Quadcopter

Contact: Tyler.blanchard@ndsu.edu

The two quadcopter projects are going well. This group will be putting together a racing quad on Wednesday's meeting; it then hopes to start practicing drone racing! It also has an idea for Innovation Challenge!

Snowplow

Contact: brady.goenner@ndsu.edu

Snowplow started rewiring and is working on programming the robot as well as developing the control system! Autonomous Snowplow meets every other Tuesday.

Volunteering

Contact: jordyn.t.johnson@ndsu.edu

FRC JUMPSTART Training Event (Dec 3rd @ 8am, St. Cloud State University): Presenters as well as general volunteers will be needed. More details will be discussed at this week's LGM, and a meeting will be planned for attendees to figure out driving and sleeping arrangements for Friday night. If you are interested in this, email Jordyn ASAP.

FRC VOLUNTEERING: Volunteers will need to start signing up, picking roles, and completing background check! More details will be at this week's LGM.

Please email Jordyn for more information if you are interested!

Game Development

Contact: Brandon.witt@ndsu.edu

The group will be crafting a variety of simple games in order to prepare for a larger project. The group started practicing using the Unreal game engine by making a Flappy Bird game!

ICCC (Learn Code)

Contact: Joseph.cluett@ndsu.edu

This group is now working on a block-pacing game as a project! ICCC meets every week on Tuesdays. Members need to have codeblocks with compiler installed on their computers if they don't already have that! Contact Joe with any questions or concerns!

Miscellaneous/Other:

Any questions? Lost on where to begin or how to do something or even what there is to do? Check out the [Bison Robotics Member Guide](#)! This will be your best non-human friend; I promise you. If you have something that you think should be added to it, email emma.schreifels@ndsu.edu!

"He who makes no mistakes never makes anything."

- *English Proverb*

CHECK THIS OUT.

Battle Bots

Contact: Kevin.king@ndsu.edu

Battle Bots now has a tournament! The date for this will be March 27, 2017 at Ohio Northern University. The group now has a tentative bill of materials, and will begin making a 3D model! The meeting for this week has yet to be determined since Monday is Halloween.

Ri3D

Contact: Tyler.Danielson@ndsu.edu

Robot in 3 Days is one of BR's most intense events being that members are tasked with creating a fully-functional robot in a mere 72 hours. This event will take place in January, but planning and prep is starting now! Keep an eye out for more updates, and join the BlackBoard group if you are interested!

AGVR

Contact: karl.klindworth.2@ndsu.edu

The encoders have been completed, and the electrical team is working on finishing up the power transmission as well as the sensors! Mechanical is on standby and might build a bracket for the SICK sensor. Weekly meetings are 5pm on Mondays in Dolve 123.

