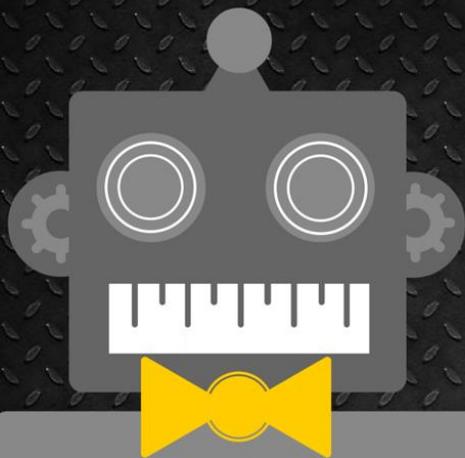




The Piqued Geek

Art by Eric Joyner



Upcoming Events:

Bison Brainstorm: Oct. 5th, 6-8pm, MU Ballroom

FLL Training (for mentors only): Oct. 6th, 3:30-6:30pm

BR Pancake Feed: Oct 24th, Lutheran Center

Large Group Meeting:

Next: October 6th

Group Updates

Club Updates

AND MORE!

Weekly Watts Up:

Find the BR Calendar! Discover BR GroupMe!

Bison Robotics will be hosting an awesome event THIS WEDNESDAY called Bison Brainstorm as a kickoff to this year's Innovation Challenge. Don't know what the Innovation Challenge is? It is a competition that the NDSU Research and Technology Park runs to encourage students to be innovative thinkers and entrepreneurs. Through the Challenge you can pitch any innovative idea - whether it is a product, service, app, or something else - and end up winning thousands of dollars to further advance your innovation. Bison Brainstorm is the first event of the year leading up to Innovation Challenge, where you can come and begin your brainstorming process, hear others' ideas, start forming a team, and also eat free pizza. It will be a really fun time.

This event is Wednesday, October 5th from 6-8 pm in the Plains Room in the Union. If you plan to attend, please email Callie@ndsuresearchpark.com so that we can make sure there is enough pizza for everyone :) Also, Jordyn could definitely use a few helpers to show up a few minutes early and help me facilitate the event. If you are interested in helping, just email her at jordyn.t.johnson@ndsu.edu. I hope you are all interested in attending! Because we are co-hosting this event, it would be great if Bison Robotics could have a good showing, so definitely come and bring your friends!! If there are any questions feel free to ask.

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 October 24th 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!

Check out...

[Twitter](#)

[Facebook](#)

[Instagram](#)

[Vine](#)

[BR Website](#)

[Trello](#)

Sun 10/2
Newsletter!

Mon 10/3
Weekly AGRV Meeting – 5pm, Dolve 204
AGVR Programming (right after weekly meeting)
Battle Bots: 7pm, Dolve 215

Tues 10/4
AGRV Mechanical: 12pm, Dolve 123
AGVR Electrical: 9am, Dolve 123
ICCC Meeting: 8pm, Dolve 215
Snowplow: 6:30pm, TBD

Wed 10/5
NRMC LGM: 7pm, Dolve 202
Quadcopter: 6pm, Dolve 117
Bison Brainstorm: 6-8pm, MU Plains Room

Thurs 10/6
BR LGM – 7:30, Dolve 215
AGVR Programming: 1pm, Dolve 123

Fri 10/7
Programming Palooza (NRMC) – 5:30pm -11, Dolve 201

Sat 10/8

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 completed the bucket design, and the electrical subgroup is making admirable progress! If you would like to learn more about NRMC (or any of the projects), check out the BR website! Also, Friday Programming Parties have commenced!

Quadcopter

Contact: Tyler.blanchard@ndsu.edu

The two quadcopter projects are going well. The innovation quad is still in the brainstorm stage, but great progress is being made! As for the racing quad, the group just recently received funding, so the process of building this one can commence as well! The next group meeting for the quads will be October 5th at 6pm in Dolve 117.

Snowplow

Contact: brady.goenner@ndsu.edu

The team is now registered for the competition! There is now also another opportunity to program another snowplow, so if you are interested, email Brady ASAP! This week, the group is tackling the motor drivers and planning mechanical work. There will be a kickoff meeting Tuesday at 6:30pm, and programming will be worked on after.

Volunteering

Contact: jordyn.t.johnson@ndsu.edu

Upcoming Volunteer Events:

Bison Brainstorm: Oct. 5th, 6-8pm, MU Ballroom

FLL Training (for mentors only): Oct. 6th, 3:30-6:30pm

Minnesota Robotics Invitational (MRI): Oct 14-15 in Roseville, MN

BEST Robotics Mall Day (Oct 15 at West Acres Mall)

BEST Robotics Competition Days (Oct 21-22 at NDSU)

Please email Jordyn for more information if you are interested! More details and signups for each of these will be sent out via email as the dates get closer!

Game Development

Contact: Brandon.witt@ndsu.edu

At the last meeting, members discussed software options, and will either be using Unity or Unreal Engine. Regular meetings for this group in general are held every Wednesday at 7pm in the QBB. Sam is stepping down, and so the group will be electing a new project lead. If you are interested in this position, let her know, and prepare a presentation for the next meeting, which is this Wednesday.

ICCC (Learn Code)

Contact: Joseph.cluett@ndsu.edu

This group is essentially a Learn-to-Code group that deals mainly with C and C++. At the last meeting, the group covered datatypes, input, and output in C++. The next meeting will cover pointers, user-defined functions, and more. ICCC will now be meeting every week on Tuesdays. 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!

"Never mind what others do; do better than yourself, beat your own record from day to day, and you are a success."

- William J.H. Boetcker

CHECK THIS OUT.

Battle Bots

Contact: Kevin.king@ndsu.edu

Funding for Battle Bots is coming through, and the next meeting on Oct. 3rd will be focused on design. The competition in Ohio has also been approved by the Dean; the official date just needs to be found. The group hopes to complete the 3D model of the robot, and the bill of materials by November 23rd.

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 group is almost done with the mechanical additions to Hank, the robot. Programmers are working on coding the DC and stepper drivers currently. After this is complete, the electrical group will move on to working on these. Encoders will be finished THIS WEEK! Weekly meetings are 5pm on Mondays in Dolve 204.



Stay piqued, geeks.