

# Instructions

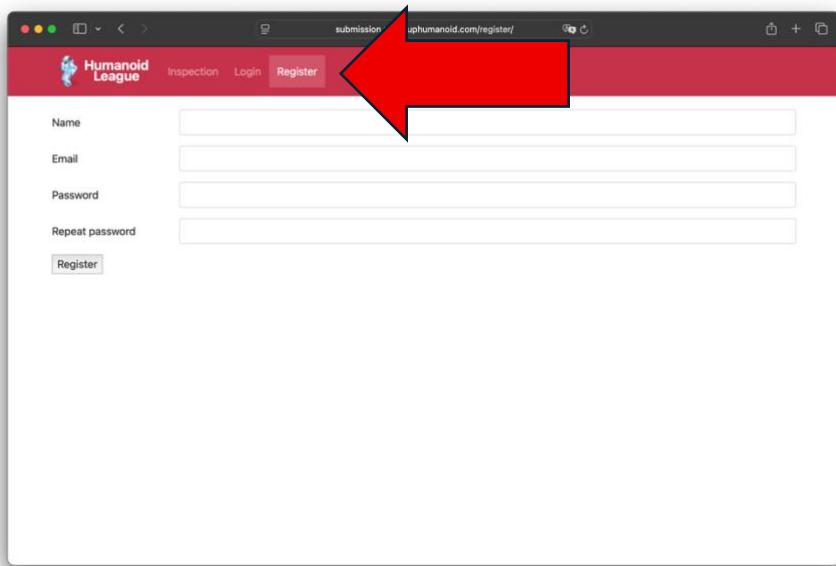
## Pre Application for the Humanoid Soccer League

The Pre application for the HSL is a simple process, with very few information needed.

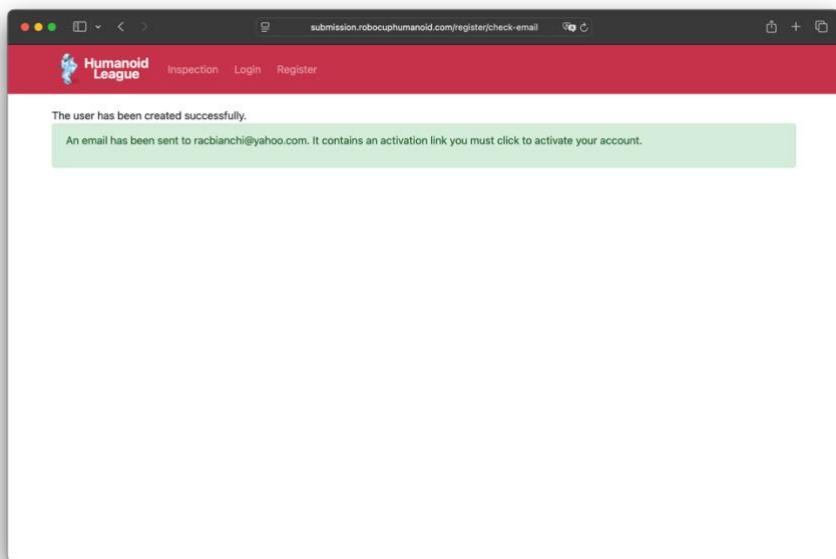
First, go to our HSL Submission Site at:

<https://submission.robocuphumanoid.com/>

If you have never registered in this site, please do so by clicking in the Register Field at the top:



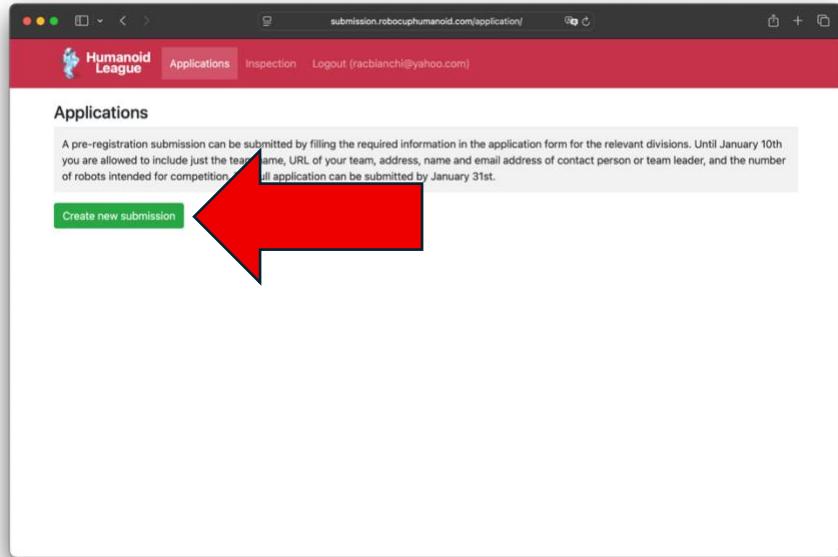
After register you will see this message and receive a confirmation email.



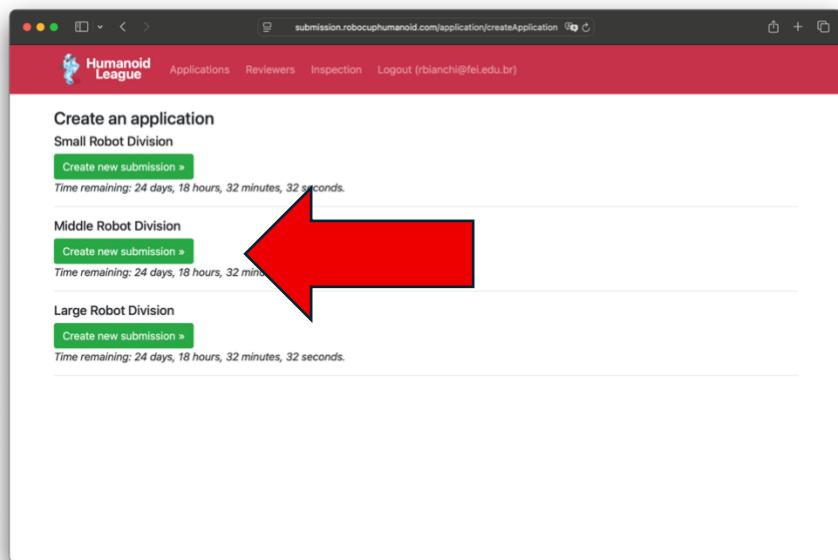
Please confirm the email, and you will see a message confirming the account activation.

Now you can log in into the system. Do it by clicking in the “Login” field at the top.

The system will go directly to the application page, where you can create a new submission by clicking in “create new Submission”:

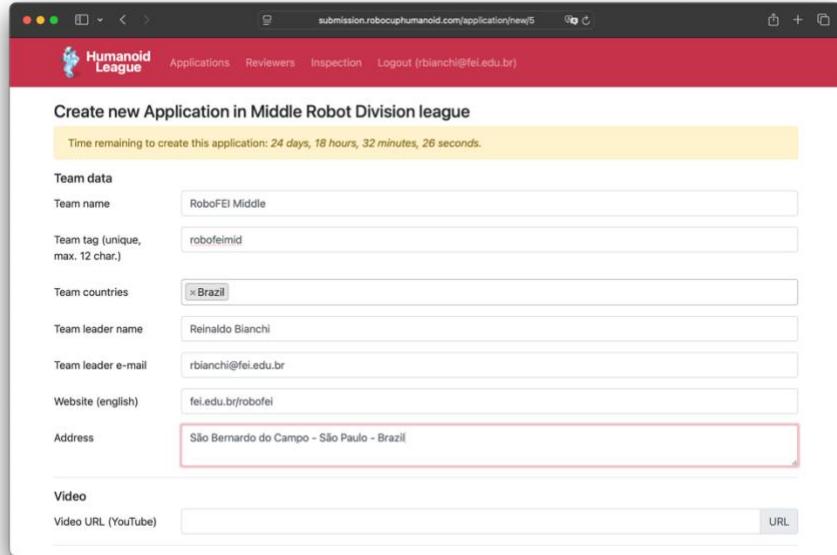


After clicking on this button, you will have to choose for which division the application is. If you will be competing in more than one division, you need to create different submissions for each division. For example, I will create an application for the Middle division:



The time remaining is the time until the full submission of all the material, which is on January the 31<sup>st</sup>.

After selecting the division, you need to fill out some basic information about the team.



Humanoid League Applications Reviewers Inspection Logout (rbianchi@fei.edu.br)

Create new Application in Middle Robot Division league

Time remaining to create this application: 24 days, 18 hours, 32 minutes, 26 seconds.

**Team data**

Team name: RoboFEI Middle

Team tag (unique, max. 12 char.): robofeimid

Team countries: Brazil

Team leader name: Reinaldo Bianchi

Team leader e-mail: rbianchi@fei.edu.br

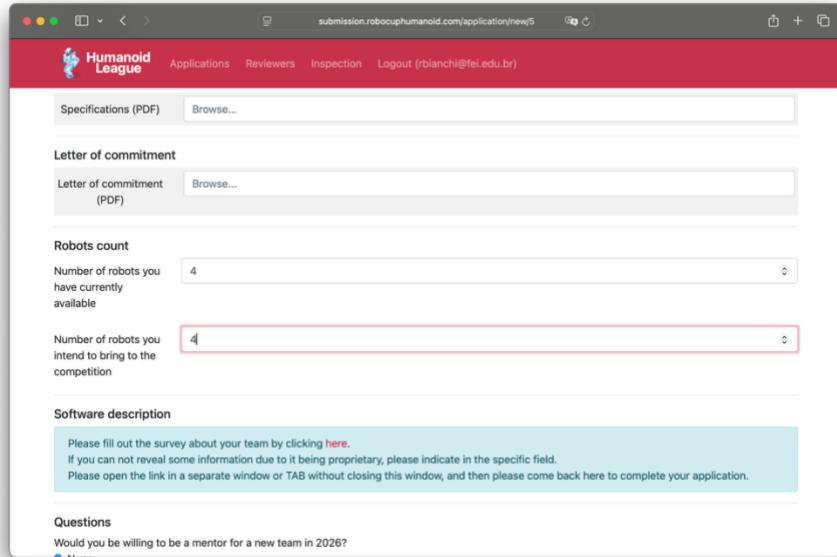
Website (english): fei.edu.br/robofei

Address: São Bernardo do Campo - São Paulo - Brazil

**Video**

Video URL (YouTube):  URL

And you also need to inform with how many robots the team intend to participate. This is not the final number of robots you will be taking to Incheon, and not counting on the robots that will be available at the robot pool provided by the companies:



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Specifications (PDF)

Letter of commitment

**Robots count**

Number of robots you have currently available: 4

Number of robots you intend to bring to the competition: 4

**Software description**

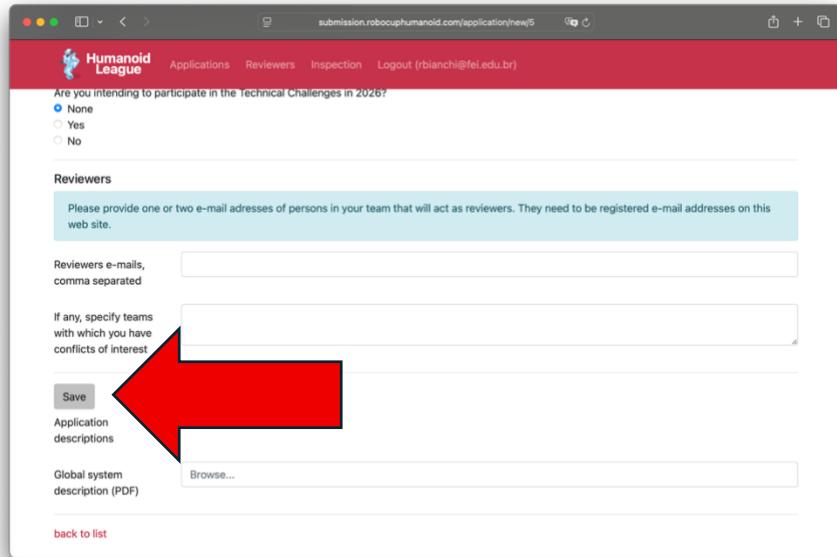
Please fill out the survey about your team by clicking [here](#).  
If you can not reveal some information due to it being proprietary, please indicate in the specific field.  
Please open the link in a separate window or TAB without closing this window, and then please come back here to complete your application.

**Questions**

Would you be willing to be a mentor for a new team in 2026?

No  Yes

Finally, scroll down to the end of the page and click on save:

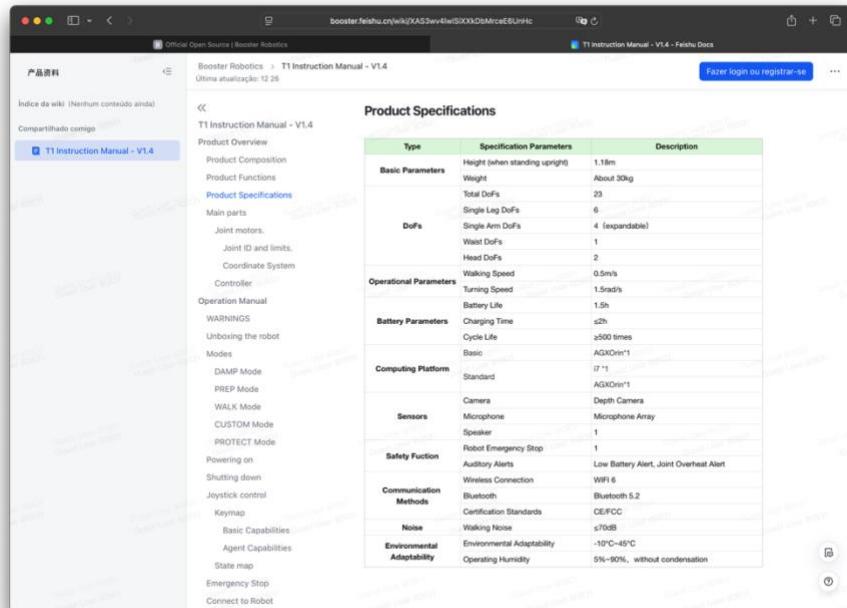


With these steps the pre-application is finished. You will notice that you are able to log in back to the system to complete all the other information, until the deadline for the submission of all the qualification material.

I hope this helps for the pre-application.

For the full qualification, the most common question is about the “Hardware Specification” document. If you are using an unmodified commercial robot, just submit the datasheet of the robot. For example, if you are using Booster T1, you can just submit the “Product Specification” found at Booster site here:

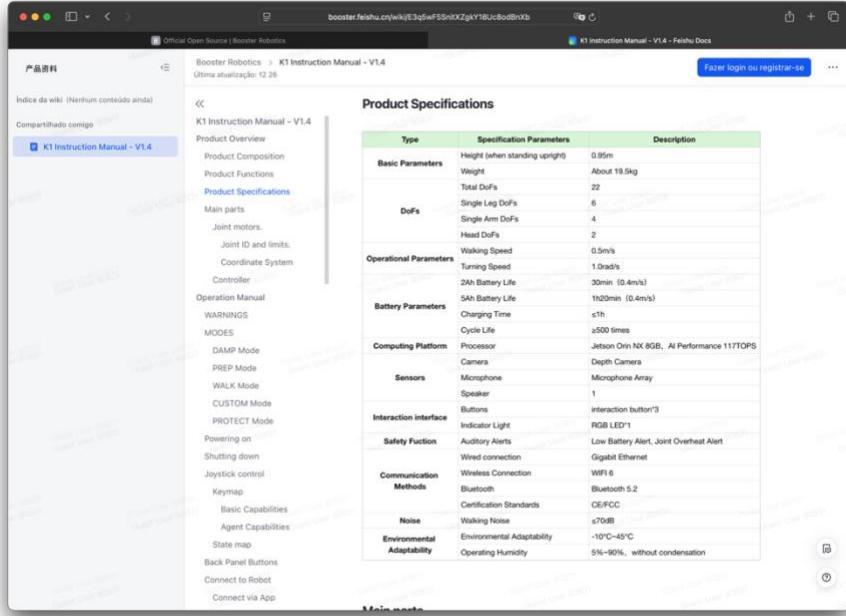
<https://booster.feishu.cn/wiki/XAS3wv4lwSiXXkDbMrceE6UnHc>



It has the complete information about the robot.

For the K1 it is here:

<https://booster.feishu.cn/wiki/E3q5wF5SnitXZgkY18Uc8odBnXb>



The screenshot shows a web-based instruction manual for the K1 robot. On the left, a sidebar lists various product specifications and modes. The main content area is titled 'Product Specifications' and contains a table with the following data:

| Type                              | Specification Parameters                                            | Description                                                 |
|-----------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Basic Parameters</b>           | Height (when standing upright)<br>Weight                            | 0.95m<br>About 19.5kg                                       |
| <b>Dof's</b>                      | Total DoFs<br>Single Leg DoFs<br>Single Arm DoFs<br>Head DoFs       | 22<br>6<br>4<br>2                                           |
| <b>Operational Parameters</b>     | Walking Speed<br>Turning Speed                                      | 0.5m/s<br>1.0rad/s                                          |
| <b>Battery Parameters</b>         | 2Ah Battery Life<br>5Ah Battery Life<br>Charging Time<br>Cycle Life | 30min (0.4m/s)<br>1h20min (0.4m/s)<br>≤1h<br>≥500 times     |
| <b>Computing Platform</b>         | Processor                                                           | Jetson Orin NX 8GB, AI Performance 111TOPS                  |
| <b>Sensors</b>                    | Camera<br>Microphone<br>Speaker                                     | Depth Camera<br>Microphone Array<br>1                       |
| <b>Interaction Interface</b>      | Buttons<br>Indicator Light                                          | interaction button*3<br>RGB LED*1                           |
| <b>Safety Function</b>            | Auditory Alerts<br>Wired connection                                 | Low Battery Alert, Joint Overheat Alert<br>Gigabit Ethernet |
| <b>Communication Methods</b>      | Wireless Connection<br>Bluetooth                                    | WiFi 6<br>Bluetooth 5.2                                     |
| <b>Noise</b>                      | Certification Standards<br>Walking Noise                            | CE/FCC<br>≤70dB                                             |
| <b>Environmental Adaptability</b> | Environmental Adaptability<br>Operating Humidity                    | -10°C~45°C<br>5%~90%, without condensation                  |

For the Unitree robots, these specifications are at the end of the web page of each robot:

<https://www.unitree.com/H2>

<https://www.unitree.com/R1>

<https://www.unitree.com/g1>

<https://www.unitree.com/h1>

If you have other commercial robots, please contact your sales agent for the specifications.

If you have any questions, please feel free to contact us at Official Robocup Discord:

<https://discord.gg/JKVwePEf>

Best regards,

Reinaldo

rbianchi@fei.edu.br