



CELEBRATING 1902 – 2022

**120** YEARS

BRISBANE BOYS' COLLEGE

*RoboCup Junior Australia*

# **Brisbane Regional Competition**

11/06/2022

**Information Pack**

**Hosted by Brisbane Boys' College**

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# Welcome

Brisbane Boys' College Robotics Club is very proud to host the 2022 RoboCup Junior Australia Brisbane Regional Competition. The co-curricular activity - Robotics Club - has regular training after school with workshops catering for over 200 students from year 3 to 12.

RoboCup Junior Australia is an open platform robotics competition for school students of all ages. Students of all abilities are encouraged to attend, watch, or participate.

This regional competition is an excellent opportunity for new teams entering RoboCup for the first time. While still a competition, there is a greater focus on providing feedback to teams in preparation for the Queensland State Championships scheduled for 13<sup>th</sup> & 14<sup>th</sup> August 2022 at the UQ Centre, University of Queensland.

## Competition Format

The Brisbane Regional Competition will offer the following challenges and divisions:

<b>OnStage</b> (Novice, Open)	<a href="https://robocupjunior.org.au/onstage">https://robocupjunior.org.au/onstage</a>
<b>Rescue Line</b> (Primary, Secondary, Open)	<a href="https://www.robocupjunior.org.au/rescue-line/">https://www.robocupjunior.org.au/rescue-line/</a>
<b>Rescue Maze</b> (Open)	<a href="https://www.robocupjunior.org.au/rescue-maze/">https://www.robocupjunior.org.au/rescue-maze/</a>
<b>Soccer</b> (Standard League, Lightweight, Open)	<a href="https://robocupjunior.org.au/soccer">https://robocupjunior.org.au/soccer</a>

Mentors should check the official 2022 RoboCup Australia challenge rules to check their teams' divisions. As a regional competition, teams and mentors should be prepared for local variations to the National Rules. These changes will be announced during each division's briefing before the competition commences.

Participating teams should comprise 2 to 5 students. One-person teams will only be allowed to compete at the discretion of the organisers.

### ***Please note:***

*Space for teams to practise and prepare for their rounds will be limited.*

*Use of soldering and power tools will be permitted with prior approval. If this is required, please contact Nick Barkley [nbarkley@bbc.qld.edu.au](mailto:nbarkley@bbc.qld.edu.au) directly.*

*Power outlets for charging computers will not be provided. However, there will be charging stations ONLY for robot batteries (EV3, NXT or similar)*

*Please ensure all equipment is labelled with a school/personal name.*

*No food or drinks may be consumed within the competition area and practise classrooms at Brisbane Boys' College. Please use the outdoor spaces available around the College grounds and bins provided.*

# Spectators, Volunteers and Mentors

## Supervision

Parents and spectators will be able to attend the competition. However, please note that mentors will be required to supervise students in preparation rooms but are expected to uphold the integrity of the competition.

Although Brisbane Boys' College staff and coaches will be managing and supervising the event, visiting schools or teams must ensure they have sufficient staff to supervise their students. Students must not leave the specific RoboCup competition and preparation areas.

## Registration on Arrival

Registration for all competitions will be on Level 1, Sports Complex. Teams will be given a wristband identifying their competition (Soccer, Rescue Line or Maze, OnStage).

## Student Preparation Areas

Please note that students will have allocated preparation areas in the Integrated Learning Centre (ILC) Level 4. Mentors will be supervising these areas.

## Judging and Volunteering

Mentors of registered teams will be required to assist with either supervising or judging. Gaining judging experience may assist your teams when providing feedback after competitions. Please indicate your competition preference on the registration form. On arrival, please see the registration desk.

## Presentation of Results

Results will be announced after all divisions' results have been finalised. The awards ceremony will take place at approximately 3.00pm in the Sports Complex – main competition area.

## Registration Process

The Registration form is available on the Brisbane Regional Page of the RoboCup Junior Queensland Page. <https://www.robocupjunior.org.au/challenge-regions/qld/qld-events/#event-47>

## Refreshments (Food and Drinks)

Food and drinks will be available for competitors & mentors from a food truck and coffee van located on the school grounds. Our Robotics Club Support Group will have a stall selling smaller snacks and drinks throughout the day.

*All mentors and volunteers will need to fill-in a volunteer registration form as per Queensland Government directives. Please find the link to this electronic form:*

<https://www.bbc.qld.edu.au/community/volunteers/>

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**Registrations close EOD on Monday 30th May 2022.**

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Late registrations will only be accepted at the discretion of the organisers.  
Mentors will be emailed an invoice for all teams. Please pay the invoice by the due date.

## Enquiries

For all enquiries concerning registration for the competition, please contact Margaux Edwards via email: [margaux.edwards@robocupjunior.org.au](mailto:margaux.edwards@robocupjunior.org.au)

For all enquiries concerning the venue, please contact Nick Barkley via email: [nbarkley@bbc.qld.edu.au](mailto:nbarkley@bbc.qld.edu.au)

## Summary:

Eligibility	Open to all primary and secondary students and their mentors.
Competitions	OnStage, Rescue Line, Rescue Maze and Soccer
Date	Saturday 11th June 2022
Time	8.00am Registration and setup 8.45am Competition rounds commence 2.30pm Competition Finals 3.00pm Presentation of awards 3.30pm Competition concludes, students depart venue
Location	Sports Complex, Brisbane Boys' College. Kensington Terrace, Toowong Qld 4066 Refer venue maps.
Parking (Refer to Venue Map)	The school is located near the Toowong Village shopping centre. All day parking will be available on the main sports oval with entry via Moggill Road. On street parking is available but is limited. The designated bus drop-off zone is located on Kensington Terrace
Entry Fee	\$25 per team
Meals	There will be no designated lunch time. Food truck and coffee van will be provided for competitors and mentors to purchase food and drinks. Robotics Club Support Group will have a small stall for the purchase of snacks and drinks for staff. Students should bring water and snacks for the day. No food or drink is to be consumed within the building.
Wi-Fi	No guest Wi-Fi will be available.
Rules	The event will utilise the RoboCup Junior Australia rules, website: <a href="http://www.robocupjunior.org.au">http://www.robocupjunior.org.au</a> Please note there may be local changes to the rules depending on competition numbers and time constraints.
Media Release	All attendees, whether competing or not, may be photographed or filmed by the media, Brisbane Boys' College, or other individuals at the competition. Signs will be prominently displayed at the entrance stating that people in the competition area may be recorded for the purposes listed. By registering your students, you agree to these terms on their behalf.

## OnStage Information

One performance (at a minimum) and one technical interview will be scheduled for each team.


Please note the following structure for each round:

- Each team will be given a designation code e.g. O1
- Please ensure your team is at the marshalling area for either the performance or interview at least 10 minutes before your allocated time.
- Performance Stages will be in the Sports Complex classrooms G201 and G202.
- The OnStage Interview room will be in the audio box within the auditorium.
- Please note that mentors will be required to supervise students in preparation rooms but are expected to uphold the integrity of the competition.
- Charging stations will be available for robot batteries only.

## Music & Technical Description Papers

Mentors must upload their team's music and Technical Description Paper (TDP) to the RoboCup Junior Mentor Upload on the Event Registration System before the competition. Teams should also bring as a backup their printed TDP to the interview and a spare named USB with their MP3 cut music.

Team name	Division	Students	Actions
Test	Novice OnStage Performance	Test	<a href="#">View Details</a> <a href="#">Upload file</a>



## Rescue Line Information

The Rescue Line competition will be held in the Sports Complex, Level 2. The number of rounds will depend on the final number of registered teams in each division. It is important to attend the rescue briefing at 9:00am on the day to be clear on the interpretation of all rules, especially any local variations.

Please note the following structure for each round:

- Each team will be given a designation code e.g. R1
- Find your team name and designation code on the team listing spreadsheet
- Look at the schedule to find out the time you are required for each round
- Make sure you are at the marshalling area at least 10 minutes before your scheduled time
- When your group is called, tell the Marshall your team name and designation code so you are directed to a Rescue Field
- Check the Scorer on that field has your score sheet
- Run your robot
- At the conclusion, initial the score sheet to confirm your score
- After your run, find out when you are scheduled for your next round
- You will be running on all courses at some point during the day, but you will not know which one, until the marshal directs you to a course.
- Rescue teams will have access to seating in the rescue preparation rooms.
- Please note that mentors will be required to supervise students in preparation rooms but are expected to uphold the integrity of the competition.
- Charging stations will be available for robot batteries only.

## Rescue Maze Information

The Rescue Maze competition will be held in the Sports Complex, Level 2. The number of rounds with different mazes will depend on the final number of teams.

Competitors should expect heated victims, obstacles, debris, ramps and changing environmental conditions as outlined in the rules. We expect to use DAISO-brand hand and body warmers as victims. These are larger than the minimum size and will be centred on the wall. They may be placed on a backing material to help reduce heat transfer through a wall.

Please note the following structure for each round:

- Each team will be given a designation code e.g. M1
- The results will be determined by the averaged final scores.
- Due to the nature of the competition, teams will be given sufficient time between rounds to update and modify their programs and robots.
- Rescue Maze teams will have access to seating in the preparation room.
- Please note that mentors will be required to supervise students in preparation rooms but are expected to uphold the integrity of the competition.
- Charging stations will be available for robot batteries only.

## Soccer Information

The Soccer competition will be held in the Sports Complex, level 2. Please check the draw carefully as there are several preliminary rounds on different fields.

Please note the following structure for each round:

- Each team will be given a designation code e.g. S1
- Arrive at your field 10 minutes before kick-off for each round.
- The Open division will be using the passive orange ball instead of the IR ball.
- All team robots must be inspected at the soccer desk before your first match to ensure they comply with the competition rules.
- To ensure inspections proceed in a timely manner, please check the following criteria before arriving at the soccer desk:
- Dimensions – check the size, including the height. Your robot will be measured with all parts fully extended. Wires should be tucked in or tied together
- Ball capture zone – must be less than 30mm
- Your robots will be weighed and all parts inspected
- Your robots must be re-inspected if they have been modified at any time during the tournament.
- Soccer teams will have access to seating in the preparation room.
- Please note that mentors will be required to supervise students in preparation rooms but are expected to uphold the integrity of the competition.
- Charging stations will be available for LEGO robot batteries only.

# Venue Map

