



## RoboCup Junior WA 2020 Info Pack

Welcome, Mentors!

Please read through the following info pack carefully, it contains important info about the WA State RoboCup Junior Event on **Friday 13<sup>th</sup> & Saturday 14<sup>th</sup> November 2020**. Good luck, and we look forward to seeing you all there!

### Venue:

#### **Curtin Stadium**

**Kent St, Bentley WA 6102**

The stadium is on the western edge of the Curtin University campus, just off Kent Street.

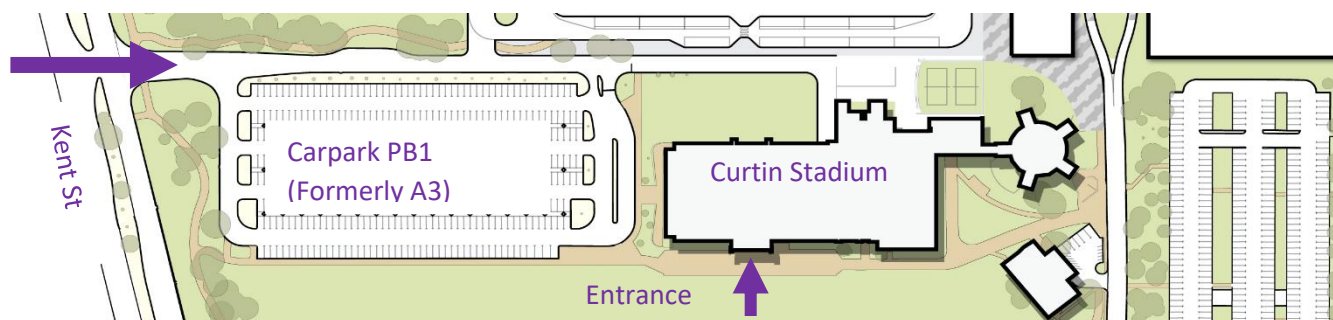


### **Parking Friday:**

**Important! Anyone wishing to park in a Curtin University car park must use the Cellopark App for payment.** Registration may be done in advance at any time and Cell-O-Park has apps available for both iOS and Android. Further information may be found here: <https://properties.curtin.edu.au/transport/payg.cfm>

**The closest parking is in paid car park PB1 (formerly A3).** Please be aware that car park PB1 has limited spaces so we recommend arriving early to guarantee a spot. Alternative parking is available around the university campus. Rates are between \$4 - \$6 for the day. More info on parking here:

<https://stadium.curtin.edu.au/fitness/parking/>



**Parking Saturday:** Curtin University has free parking across the campus all day on Saturday.

**Public Transport:** If you are travelling by public transport, see here:

<https://about.curtin.edu.au/directions/getting-here/>

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## Event General Info



**Spectator Entry:** Spectators of all ages are welcome to attend the event. Entry is free for all spectators on both days. Seating fills up on Friday morning, so if you plan to bring a large number of spectators, please contact event organisers: [wa@robocupjunior.org.au](mailto:wa@robocupjunior.org.au)



**Food and Drink:** No food or catering is included for participants or mentors. Students should bring packed lunches, but they **must** be eaten outside the arena. Curtin Stadium has a coffee shop and a range of food and drink outlets available around the campus. No food or drink should be consumed inside Curtin Stadium, except for water.



**Photos & Media:** Photographers and media may be present throughout both days of the event. By attending the event, mentors accept that all students may be inadvertently photographed or recorded on video. Please ensure you have a Competitor Entry Form for each student signed by parent or guardian.



**Medical:** A first aid station is located at Curtin Stadium. If you or any team member should require medical attention during the event, please immediately seek the assistance of event staff. Adult mentors take full responsibility for any allergies or medical requirements that team members may have.



**Duty of Care: Adult mentors retain ultimate responsibility and duty of care for participating students.** Although mentors may not enter the pits, all student areas of the event are designed to be visible in clear line of sight from the spectator seating stands.



**Safety & Evacuation:** Curtin Stadium's emergency evacuation plan is attached. Please familiarise yourself with emergency exits and evacuation route. The muster point is the oval directly outside. Students should always refrain from running.



**Insurance & Public Liability:** The event is operated by Scitech and is covered by Scitech's Public Liability certificate (attached).



**Lost Property:** Neither RoboCup Junior WA, Scitech or the venue are responsible for any property which is lost, stolen or damaged during the event. Before leaving the event, please check carefully to ensure that no items have been left behind.



**Accessibility:** The venue is wheelchair accessible. If you are bringing a competitor with physical or non-physical disability, or who requires a carer, please let our event staff know in advance, so we can accommodate any specific needs – [wa@robocupjunior.org.au](mailto:wa@robocupjunior.org.au)

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## Schedule

Closing times are approximate, please be prepared to stay for the length of the competition.

### Day 1 - Friday 13th November 2020

#### 8:00 am Doors Open – Check-in & Scrutineering

**Arrival:** Mentors should have tickets and **Competitor Entry Forms** ready for inspection on Check-in. All teams must arrive no later than 9:00am.

**Check-in:** Our team collect Tickets for each team, and Competitor Entry Forms for each student before welcoming you into the building!

**“The Pits”** After checked-in, teams may go straight to the student-only area “The Pits.” Teams have 1.5 hours to prepare for the competition.

**Scrutineering:** After checked in, **Rescue and Soccer teams** must have their robot inspected by event judges. **Scrutineering begins at 8:00 am** when doors open, all teams must have their scrutineering complete by 9:30 am.

#### 9:30 am Opening Ceremony

**All students and mentors are to be checked-in, scrutineered and seated in the stands by 9:30. Students remaining in the pit area during this time may be penalised.**

#### 10:00 am Competition Starts

**Schedules:** Specific schedules for each challenge will be announced 2-3 days before the event and displayed on the day.

#### 3:00 pm End of Day 1

**Finalists:** After all scores have been counted, the Finalists from day 1 will be posted online and via the mailing list no later than 6pm. Keep an eye out for the results so you know if you’ve made it through to the finals!

### Day 2 – Finals - Saturday 14th November 2020

#### 8:30am Doors Open – Check-in & Scrutineering

#### 9:30am Competition Starts

#### 1:30pm Awards Ceremony

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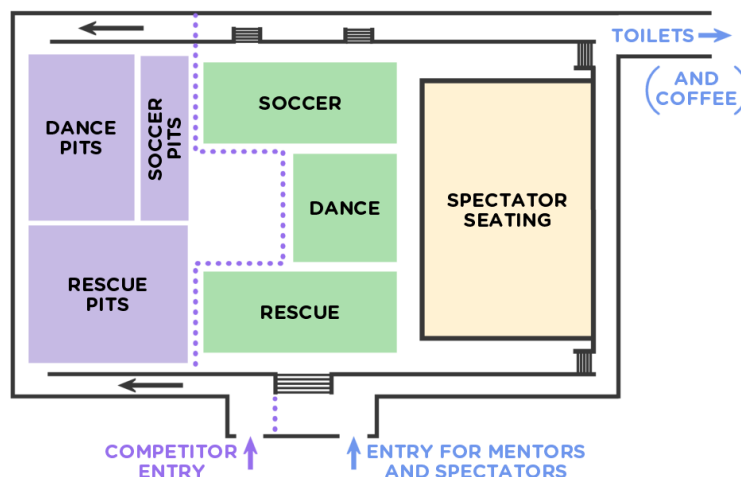


2:30pm End of competition... see you in 2021!

## Layout of Venue

### Challenge Areas:

Challenge areas are where the competition happens. Challenge areas include dance floors, the Rescue Zone, and the Soccer Tables. Challenge areas are restricted to students and event staff only. Once the competition starts, students may only enter the challenge areas when it is their turn to compete. Students must follow all instructions from event staff while in challenge areas.



### Student Only Areas “The Pits”:

The Pits are where students work on their robots and prepare for the competition. Each challenge has its own area inside the pits, and each team is allocated one table with access to a power outlet. Each team gets the same amount of space regardless of how many team members. Teams are encouraged to stick within their allocated space.

**Important!!** – Mentors, teachers, parents or other adult spectators are not permitted to enter the pits at any point during the event. Mentors that wish to get in contact with their students may approach a member of event staff who can locate the student they wish to speak to.

**Mentors that are caught talking to students within the pits, or over the barrier of the pits will incur a point penalty for their team. This rule is STRICTLY followed by all members of staff and is in place to stop cheating and promote self-led learning, and student collaboration.**

Disability workers or carers will be granted permission into student areas by contacting event staff at, or prior to the competition: [wa@robocupjunior.org.au](mailto:wa@robocupjunior.org.au)

### Spectator Areas:

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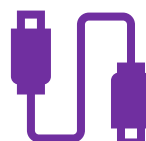
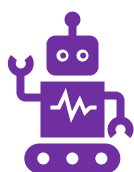


Spectator areas are where anyone (adult, mentor or student) can go to watch teams as they compete. All areas of the event are visible from the spectator seating, and spectators may also watch from around the perimeter of the challenge areas.

## What to Bring

**Students only have one desk per team, so please only bring the essentials.**

- Robots, plus props, costumes, download cables, spare parts and repair equipment
- Laptops for making last minute changes to your program
- Journals, diaries or logbooks (either hard copy or electronic)
- Power boards, spare batteries and battery chargers
- Completed and signed entry forms for all students (see attachment at the end of this document)
- Lunchbox and water bottles. Please remember that no food or drink is to be consumed inside the arena
- Wristwatch for each student (don't miss your competition timeslot!)



## Competitor Entry Form

For legal reasons, all competitors are required to provide a completed Competitor Entry Form when arriving at the event. This form includes important information on photo permissions and must be signed by each competitor's guardian.

A blank copy of the entry form is attached at the end of this document. This form is also available separately on the RoboCup Junior WA site: <http://www.robocupjunior.org.au/wa>

Checklist for entry forms:

- Team Details** section completed by team mentor (this can be done on your computer before printing).
- One form printed or photocopied for each student.
- Form sent home so that **Competitor Details** section can be completed and signed by parent or guardian.

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- Completed forms should be brought to the event and provided by students upon entry.

**TIP! Save time by filling out team details electronically and printing them for parents to then sign.**

## Checklist for Mentors

- Ensure all competitors are aware of the rules regarding the design of their robot and are able to explain their code.
- If competing in OnStage, upload music tracks for all teams no later the deadline outlined in the Music Info Pack.
- Plan route to arrive at stadium no later than 8:30 am on Friday (doors open @ 8) and 9:00 am on Saturday.
- Plan where you are going to park. If necessary, register online at [www.cellopark.com.au](http://www.cellopark.com.au) and/or download mobile app.
- Fully charge all batteries before the competition.
- Pack all equipment and consider creating a packing checklist to prevent equipment being lost.
- Remind all students to bring a packed lunch and a bottle of water.
- Print tickets for each team you have registered.
- Collect signed competitor entry forms for each student (bring these with you on the day).
- Remember – this competition is not about winning, it's about the experience of learning and students working autonomously to solve problems.
- Have fun & connect with other mentors! This is a great opportunity to meet other like-minded educators, and collaborate, share ideas – you may even find a nearby school you can join forces with!**

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### \*\*\* Important!! Code of Conduct \*\*\*

The spirit of RoboCup Junior is to provide a fair and level playing field for all competitors. Please help us to support RoboCup's mission by respecting the following rules:

- Mentors may not assist competitors with building or programming of robots during the competition, either in person or via remote/electronic means.
- The pit area is restricted to competitors and event staff only. Adults who enter the pits without authorisation from event staff can receive a point penalty for their team. Repeat offences may result in disqualification of a team, school or group.
- Teams may not use laptops or tablets outside the pit or challenge areas. **This means that code must be loaded onto the Robot prior, as laptops are not allowed inside challenge areas.**
- Communicating via mobile phones or other communications equipment is prohibited in challenge and pit areas.

## Rules

The national rules are an essential component of RoboCup Junior Australia and will be strictly observed at the WA state event. Please ensure you have read and understand the rules of your challenge(s).

Full copies of the rules may be downloaded here: [www.robocupjunior.org.au](http://www.robocupjunior.org.au).

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### Scrutineering

All competitors are required to have their robot and code checked during an **official interview** with the judges. In Rescue and Soccer, interviews will be completed before the start of competition each day. Onstage, interviews will be conducted over the course of Friday in accordance with a schedule. The schedule for Onstage interviews will be released 2-3 days before the event.

### Original Design

Robots must be an **original design** to receive points in the competition. Robots which are built from an instruction manual or a design that is widely available on the internet may still participate but will not receive points for design.

### Built and Coded by Students

Robots must be **designed and built by the students** in advance, in preparation for the competition. Programs must also be coded by students. All teams will be required to attend a short interview to verify that they are the authors of both their robot design and their code. Design logbooks or engineering journals may be provided during this interview to assist with verification.

### Autonomous

Once a program is started, robots must be **fully autonomous** in their behaviour **from start to finish** and not rely on any external input from a controlling device such as a video game controller, iPad or other mobile device. Programs should be **downloaded to robots in advance** and be started directly from the robot.

### RESCUE: Line Following

Students competing in Rescue must demonstrate an understanding of how their robot follows the line or interacts with other features of the Rescue course. **Understanding of both the sensor(s) and the code must be demonstrated.**

### SOCCER: Size and Weight

Robots competing in Soccer must be able to **fit inside an upright 220 mm diameter cylinder**, and be no more than 220 mm in height. Robots must also comply with strict weight limits for their challenge. For reasons of fairness to other teams, robots which do not comply with these dimensions and weight limits must modify their robot and have it re-checked to join the competition.

### Providing Journals

Submitting logbooks to event organisers in advance is currently **not** a requirement of RoboCup Junior WA, and is implemented on a national level only. Please remember to bring your logbooks, journals or printouts with you on the day so that they can be checked in your team's interview.

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## About RoboCup Junior WA

RoboCup Junior WA is a not-for-profit organisation run largely by volunteers in their spare time. At the same time, the WA state event is a significant undertaking. RoboCup Junior WA gratefully acknowledges the support of our partner organisations, without whom RoboCup Junior WA would not be possible.

The WA state event is operated by Scitech in partnership with Rio Tinto, and is supported by the RoboCup Junior WA Committee. On a national level, ongoing support is also provided by our Platinum National Sponsor, Modern Teaching Aids. We are also indebted to everyone who volunteers to act as event staff every year. Without the support of these amazing people, there would be no RoboCup in WA.

If you would like to discuss becoming a WA event partner, volunteer to help at future RoboCup events, or you're interested in joining the WA committee, please don't hesitate to drop us a line.



### GETTING IN TOUCH

If you would like to contact the committee, please feel free to get in touch by emailing [wa@robocupjunior.org.au](mailto:wa@robocupjunior.org.au).

Thank you for supporting RoboCup Junior in WA and we look forward to seeing you at an event soon.



## Certificate of Currency

The policy referred to is current as at the date of this certificate and whilst a due date has been indicated it should be noted that the policy may be cancelled in the future. Accordingly, reliance should not be placed on the expiry date.

**Policy Number:** 10M 3406124

**Insured:** Scitech Discovery Centre and/or all subsidiary companies, Denham Dunstall T/as Delphi Technology Solutions whilst undertaking work for and on behalf of Scitech

**Period of Insurance:** (From) 30 November 2019 at 4:00pm local time at the place of issue  
(To) 30 November 2020 at 4:00pm local time at the place of issue

**Policy Type:** General and Products Liability

**Limit of Indemnity:**

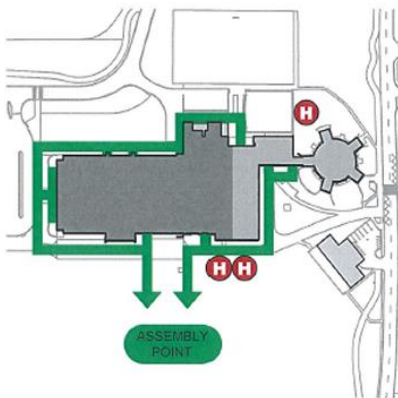
Public Liability	\$20,000,000	any one Occurrence
Advertising Injury	\$20,000,000	any one Occurrence
Products Liability	\$20,000,000	any one Occurrence and in the aggregate for any one Period of Insurance

**Remarks:** The above is subject always to the terms, conditions, exclusions and endorsements of the Policy.

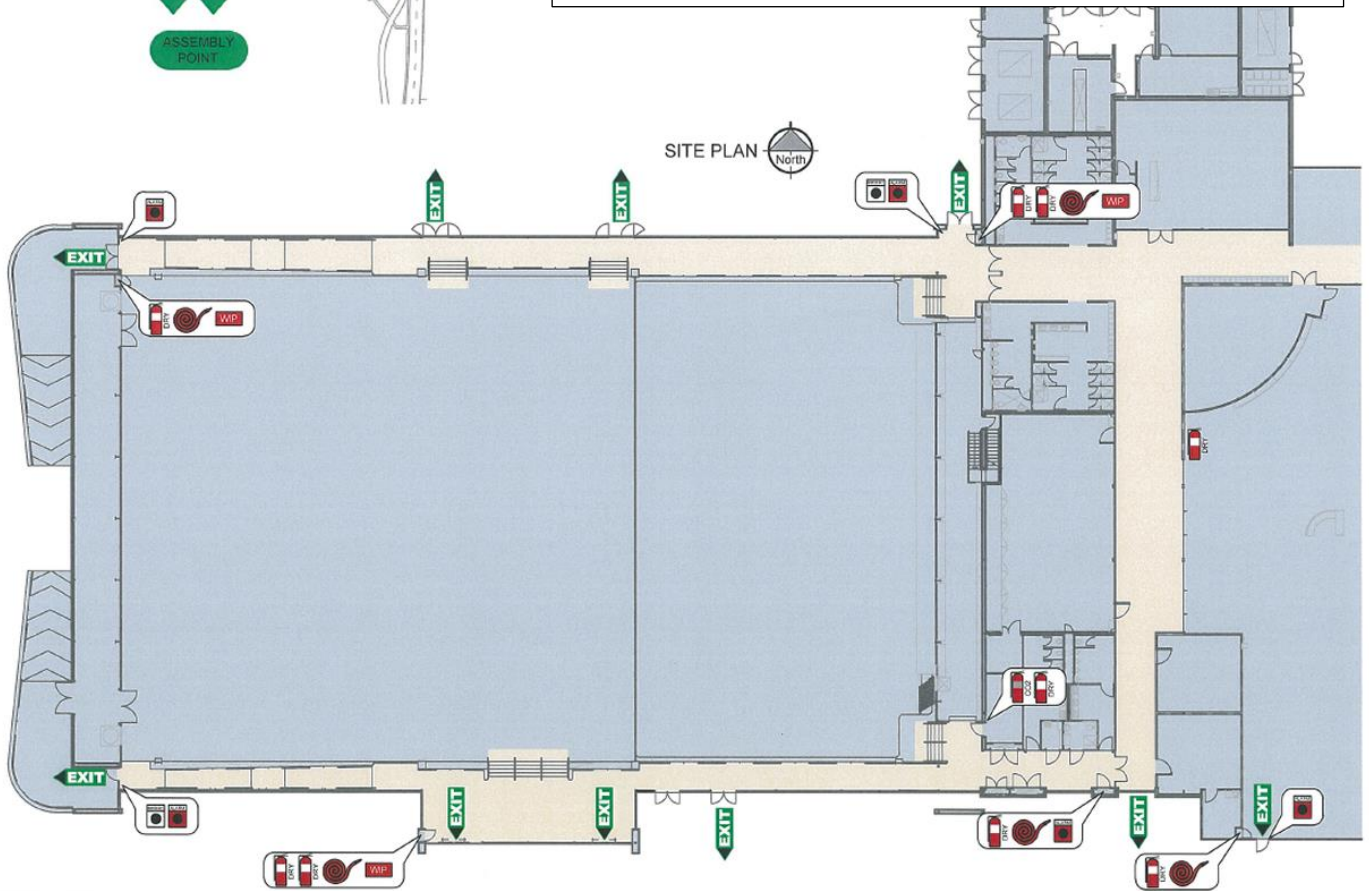
Signed for and on behalf of Insurance Australia Limited trading as CGU Insurance.

Peter Ewens  
Senior Liability Underwriter  
21/11/2019

# Emergency Evacuation



IN THE UNLIKELY EVENT OF AN EVACUATION, PLEASE CALMLY LEAVE THE VENUE VIA THE NEAREST SAFE EXIT AND GATHER AT THE ASSEMBLY POINT ON EDINBURGH OVAL (DIRECTLY OPPOSITE THE MAIN ENTRANCE)



**IN AN EMERGENCY**  
For life threatening emergencies

**DIAL 000**

(0000 from an internal phone)

For all other assistance please call security on (9266) 4444

## BUILDING 111, LEVEL 1

### SAFETY PROCEDURES

For your safety make sure you know the location of your nearest emergency exit. Ensure your exit routes are always clear.

### EVACUATION PROCEDURES

- If possible **Alert** other occupants in your area and commence evacuation of the building by the nearest emergency exit.
- Remain **calm**.
- Do not use lifts.
- Follow instructions from Wardens, Security and other Emergency Personnel
- Move directly to your assembly area
- Do not re-enter the building until advised safe to do so.

### FIRE PROCEDURES

Fire extinguishers and fire hoses are to be used only by those who have received the appropriate training. Do not take any unnecessary risks or attempt to fight a fire larger than yourself.

### MEDICAL EMERGENCY PROCEDURES

- For life threatening emergencies Immediately **Dial 000** (0000 from an internal phone)
- Give your name, location, number of people involved, details of emergency.
- Render whatever assistance you can.

### LEGEND

- EXIT
- MANUAL CALL POINT ALARM
- EMERGENCY CALL POINT
- FIRE BLANKET
- FIRE HYDRANT
- FIRE HOSE REEL
- WARDEN INTERCOM PHONE
- EXTINGUISHER - DRY
- EXTINGUISHER - CO2



# COMPETITOR ENTRY FORM

## TEAM DETAILS

To be completed by teacher or accompanying adult mentor

Name of School or Organization \*

Mentor Name \*

Team Name (as per entry ticket) \*

Challenge and Division (please tick) \*

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Onstage (Novice)      | <input type="checkbox"/> Soccer (Standard League) | <input type="checkbox"/> Rescue Line (Primary)   |
| <input type="checkbox"/> OnStage (Experienced) | <input type="checkbox"/> Soccer (Lightweight)     | <input type="checkbox"/> Rescue Line (Secondary) |
|  |   | <input type="checkbox"/> Rescue Line (Open)      |
|  |   | <input type="checkbox"/> Rescue Maze (Open)      |

## COMPETITOR DETAILS

To be completed by competitor's parent or guardian

Competitor First Name \*

Competitor Last Name \*

Year Level \*

Please tick  Female  Male  Gender Non-Binary

\* How many **previous years** has this student competed in RoboCup?

Parent or Guardian First Name\*

Parent or Guardian Last Name

Parent or Guardian Phone Number\*

Parent or Guardian e-mail address

Signature of Parent or Guardian\*

Date

Your personal details are collected for the purpose of recording your permission. Scitech's Privacy Policy can be accessed via our website at [www.scitech.org.au](http://www.scitech.org.au)

\* indicates a required question

By signing this form, you understand that this event will be live streamed, and agree that images or video may be used for any of Scitech's and Rio Tinto's promotional purposes for the life of the visual material. You agree that this can include, but will not be limited to, reproduction in the original or edited form via the Scitech website, social media channels, e-newsletters, print publications, and by television, online, or print media organisations promoting Scitech activities. You grant these rights on the understanding that they incur no fee, and that you have no interest in the copyright of these images or video.

I DO NOT give permission for photos or video of my child to be used for Scitech and Rio Tinto promotional purposes.