

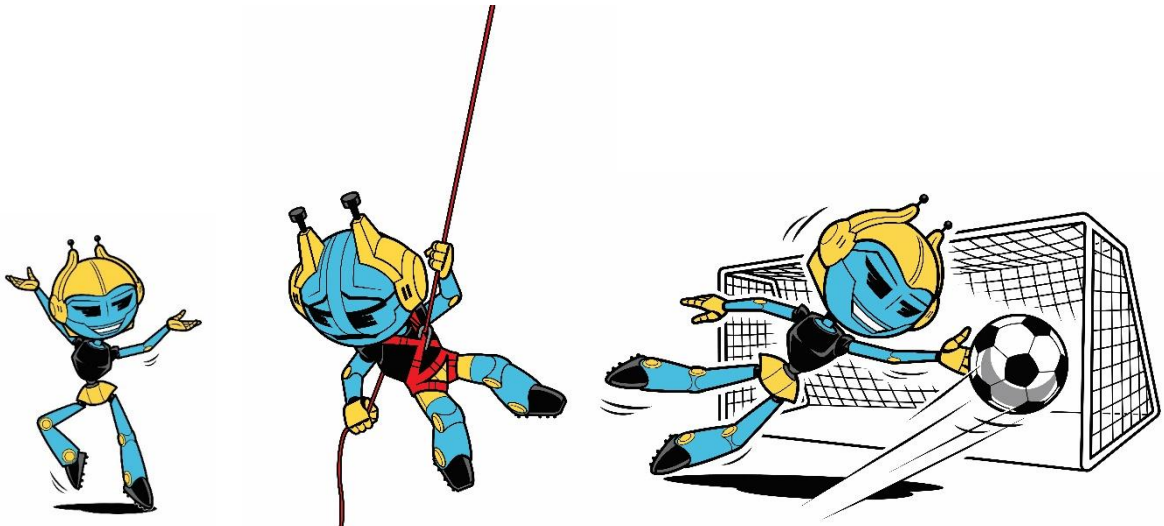


A U S T R A L I A

Australian Open Championship

UQ Centre, Brisbane, QLD

23-24 September, 2017



Registration Package

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Mission Statement and Objectives

Mission Statement

RoboCupJunior Australia aspires to be a popular educational activity of excellence. During the 20th century, science and technology have made exponential strides into the bettering of people's lives, but at the same time left many problems to solve. In the 21st century, it is essential that our cultures evolve in order to cater for new technologies. This is not a problem to be solved by one country or just a few engineers. All concerned people throughout the world must work on its on-going solution. By taking a fresh look at robots as an educational and entertaining medium, it is hoped that RoboCup Junior Australia will contribute to the development of 21st century society.

Objectives

1. To encourage young people to take an interest in scientific and technological fields, to cultivate their interest through robotic competitions through hands on creation.
2. RoboCupJunior Australia will help young people to expand their social, intellectual and problem solving skills, helping them to develop into creative and independent adults.
3. To provide a forum, which will allow more people to appreciate the co-existence between science, technology and human kind.
4. To create an environment that will encourage people from all over the world to share their experience with science and technology, thereby contributing to its development.
5. To use robotics as a vehicle to foster the development of an internationally-based intellectual cooperative.
6. The emphasis will be on learning and enjoyment rather than competing to win.
7. Participants will be required to share technological developments in order to ensure the improved quality of the competition rather than allow an individual team's dominance.
8. RoboCup Junior Australia is an educational activity, which will nurture understanding between different nationalities via the opportunity to compete in an educational robotics competition.
9. RoboCupJunior Australia must remain accessible to students around the world.

Important Information

Competition Format

At the Australian Open Championships, ALL CHALLENGES run on BOTH DAYS. Unlike some state and regional events, there are competition rounds for ALL COMPETITORS on Saturday AND Sunday. Please ensure you have made appropriate arrangements for your teams to be available to compete across the whole weekend.

Log Books

It is expected that all teams meet the requirements for log books and documentary evidence of originality as outlined in the challenge rules. Where uploading of the log book is requested or required this will be available on the competition page at the RCJA website.

Important Information

Eligibility	Open to all primary and secondary aged students. Parents, teachers and friends are welcome to mentor teams and attend on the day.
Key Dates	<p>23-24 September 2017 27 July 2017 20 September 2017</p> <p>Please Note: UQ Centre will be open from 2pm – 5pm on Friday 22 September for early registration and to access the venue for the purpose of setup and calibration.</p>
Schedule	<p>SATURDAY 23 September</p> <p>8:15am Registration 8:45am Team and Mentor Briefings 9:00am Competition Starts – Dance, Maze, Rescue Line, Soccer 9:40am Official Opening 5:00pm End of Day One</p> <p>SUNDAY 24 September</p> <p>8:30am Doors Open 9:00am Competition Starts – Dance, Maze, Rescue Line, Soccer 1:00pm Finals Begin 4:00pm Awards Ceremony 4:30pm Closing Ceremony</p>
Venue	UQ Centre, University of Queensland, St Lucia, QLD AUSTRALIA (link to venue map)
Access	<ul style="list-style-type: none"> Car Parking is available under the venue and under the sports field adjacent to the venue. At this time weekend parking in these car parks is free but users need to check conditions on entry to the car parks. For larger vehicle and bus parking please contact the UQ Centre directly for up to date information. Disability access is available with lifts, designated parking and assistive technology in place across the University of Queensland.
Food & Drink	<ul style="list-style-type: none"> There will be a canteen operating within the UQ Centre throughout the competition. On Sunday, please be aware that as the canteen runs out of stock it will no longer offer the full range and may close earlier than the competition end time. There are additional food and drink outlets located adjacent to the UQ Centre, including the Sports Club, and the UQ Fitness Centre.
Teams	<ul style="list-style-type: none"> Up to 5 students per team (email bushs@iona.qld.edu.au if requesting more) At least 1 robot per team (1 robot for Rescue, 1 or 2 for soccer and at least 1 for dance) Adult team mentor
Challenges	<ul style="list-style-type: none"> Dance: Primary, Secondary, Open Rescue: Primary, Secondary, Open, Maze Soccer: Standard League, Lightweight, Open
Registration	<ul style="list-style-type: none"> Each team needs to be registered to enter the competition Teams are encouraged to come up with a funky name for themselves Registrations will open Thursday 27th July Registration costs \$100 per Team

<p>Electrical Equipment</p>	<ul style="list-style-type: none"> All teams will be provided with access to at least a single power point at a dedicated table in the preparation area. All electrical equipment used at UQ MUST be electrically tested and tagged. Please ensure that all equipment you bring to UQ has been tagged (non-UQ tags are acceptable as long as they within date). As a service to all teams, there will be a complimentary test and tag station set up during Saturday and Sunday, however access will be on a first come basis and wait times could be long.
<p>Robots</p>	<ul style="list-style-type: none"> Bring robots fully charged with spare batteries. It may not be possible all day to charge your robot(s). Note that each team will be provided with access to power. Laptops are to be fully charged and if possible a spare laptop should be available. Please ensure that your school's network setup allows the laptops to access and run the programs written for the robots while they are away from the school (access to shared network drives, for example) Some robot kits (including the LEGO Mindstorms EV3) can be purchased from Modern Teaching Aids (MTA): http://www.teaching.com.au/product/LEG45544-1K
<p>What to Bring</p>	<ul style="list-style-type: none"> Food and drinks Laptop/s with fully charged batteries Robot with fully charged battery Team Mentor and any parents/volunteers who would like to assist/cheer Dance music on USB in MP3 format. This can be uploaded prior to competition on the RoboCup Junior Australian Open Web page.

Photos & Media

RoboCup Junior Australia and local media will be taking photos on the day of the competition for promotional purposes.

RoboCup Junior Australia requires all participants, volunteers and mentors to sign a Media Release form prior to the competition.

Children's forms must be signed by a parent or guardian.

These forms can be downloaded from:

http://www.robocupjunior.org.au/sites/default/files/RCJA_Media_Release_Deed.pdf

Info, Tips & Tricks

The RoboCup Junior Australia webpage <http://robocupjunior.org.au> has a huge range of information, tips & tricks for novice RoboCuppers. Below are some helpful links.

Rules

Dance: <http://www.robocupjunior.org.au/dance>

Rescue: <http://www.robocupjunior.org.au/rescue>

Soccer: <http://www.robocupjunior.org.au/soccer>

Tutorials

All of the links below can be found on the Tutorials page: <http://robocupjunior.org.au/tutorials>

Dance:

- [Robocup Dance Theatre Hints and Tips 2014 - Paulette Tolonen](#)

Rescue:

- [RoboCup Rescue EV3 Beginners Workshop - G. Tardiani](#)
- [Webinar: Introduction to Line Following - Dr Damien Kee \(90mins\)](#)

Soccer:

- [Getting Started with RCJA Soccer - Dr Damien Kee](#)

Resources

The information below can be found on the Resources page: <http://robocupjunior.org.au/resources>

- Recommended Competition Resources
- Websites for learning LEGO Mindstorms Programming
- Generic Robot Designs
- Standard mat sizes and scoring systems

Contact Details

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