



A U S T R A L I A

## Entrant's Information Kit

# RoboCup Junior Tasmania

## State Finals 2010

Stanley Burbury, University Centre

University of Tasmania, Hobart

Friday 13th August – Saturday 14th August



[www.roboticstasmania.org](http://www.roboticstasmania.org)

c/o Australian Computer Society

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national science week



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# General Information

## ***Expectations for the event***

The aim of RoboCup Junior is to create an entertaining and educational experience for all involved. To achieve this we all must create a spirit of collaboration, rather than competition. It is hoped that all entrants respect this aim.

Additionally, the following expectations are intended to help make the event as enjoyable as possible for every one involved. Please adhere to these and remind others if they are unaware of them.

- Cameras with **flash and auto focus may not be used** in the venue. Please ensure that all cameras have their flashes turned off and are set to manual focus.
- All movement and behaviour is to be of a subdued nature.
- Students must only leave the venue under the permission of their guardian (teacher, parent, adult team mentor).
- In general, **ONLY** student competitors will be allowed in the Setup area after 10am.
- Participants are not to touch robots or equipment from another team. (Many months or even years of work have gone into some of the robots!)
- Do not leave valuable equipment unsupervised.

## ***Opening and closing times***

On Friday, 13 August, the venue will be open for competitors as follows:

Senior Dance: 3:00 pm – 8:00 pm.

Rescue and Soccer: 9:00 am – 4:00 pm.  
Teams are encouraged to arrive between 9am and 9:30am to allow adequate time for registrations, setup and testing before the competition begins.

On Saturday, 14 August, the venue will be open for competitors at 9:00am and close at 4pm. Teams are encouraged to arrive between 9am and 9:30am to allow adequate time for registrations, setup and testing before the competition begins.

If you are likely to arrive later than 10:00am (e.g. because of a long travel time), could you please let the event organisers know as soon as possible.

## ***Volunteers briefings***

Briefings for volunteers (e.g., soccer referees, dance interviewers/judges, etc.) will be at 9:00am each morning.

## ***On arrival***

On arrival at the venue, you should immediately proceed to the Registration Desk where:

- Team arrival will be noted.
- Name tags will be supplied.
- Any updated event information will be supplied.
- Dance teams will submit one copy of their music (with information regarding team name & track number etc).

During the course of the day, teams will be required to have a team interview (see below).

Make sure you are aware of the times you are required to compete. It is **YOUR** responsibility to make your way to the competition area at the scheduled times.

## ***You are required to bring:***

- Log book / journal (if you have one).
- Two copies of music for Dance (format should be transferable to a PC, i.e. CD, flash drive, etc.). One for the performance and one spare.
- Laptop computer (and IR tower or USB cable, etc.) for downloading programs.
- Tubs to hold equipment.
- Copy of the Rules relevant to your entry (see over).
- Power boards. A single power outlet for each team will be provided in the set up area.
- Spare batteries (or battery pack).
- Battery charger (if required).
- Spare part for robots (e.g. spare LEGO).
- Tools for repairs.
- Warm clothes – you just never know!
- Lunch and a drink! (or money to buy them)

## ***For your tummy***

Lazenby's at the rear of the University Centre will be open on Friday (as per normal) and on Saturday from 10:00am to 2:00pm (especially for this event).

## **Getting there**

The State Finals will be held at the University of Tasmania, Sandy Bay. We will be in the **Stanley Burbury Lecture Theatres 1 & 2** (in the University Centre). See the Sandy Bay campus map available from: [http://www.utas.edu.au/campus/campus\\_maps.html](http://www.utas.edu.au/campus/campus_maps.html)

## **Parking**

**Friday.** Finding somewhere to park can be difficult on Friday, but your best options are the main car park adjacent to the University Centre, on French Street, or the student car park at the end of Grace Street. French Street is the first turn to the right after the union building and runs around behind the union building. The student car park next to Sandy Bay Road (but accessed from Grace Street) is usually not full, however it's a three or four minute walk up to the University Centre from there.

**Saturday.** Parking on Saturday should not be a problem.

## **Rules (Dance, Rescue, Soccer)**

It is important that teams are thoroughly familiar with the rules for their challenge.

Summaries of the rules including modifications to suit the Tasmanian competition (i.e. "RCJT Guide to Dance 2010", "RCJT Guide to Rescue 2010", and "RCJT Guide to Soccer 2010") are available from the RCJA Website in the Tasmanian section (Under "State websites")

The complete set of RCJA Rules can be found on the RoboCup Junior Australia website: <http://www.robocupjunior.org.au>.

## **Light conditions**

The organisers will endeavour to block out as much natural light as possible and keep light level even throughout the event. Time will be allocated at the start of the day for teams to calibrate their programs.

## **Interviews and logbooks**

During the event, each team is required to attend a 10-minute interview to discuss their entry. Although one purpose of the interview is to verify that the team's work is substantially their own, it is also an opportunity for teams to share their work and to be recognised for their efforts. In assessing the quality of team entries, the interviewers are looking for evidence of

*engineering and programming skills, independence and commitment.*

Logbooks or journals provide a good means of demonstrating these aspects, and are expected in all challenges.

Note: Along with sportsmanship and quality of play, the interview contributes to whether or not a team is selected to represent Tasmania at the Australian Open.

In agreement with the ideals of RoboCup Junior, information from the Interview (including information from the Interview Questionnaire) may be published.

## **Prizes**

### **Certificates and trophies**

In addition to participation certificates for all students, certificates will also be awarded to finalists of each challenge (i.e. Soccer, Rescue, Premier Rescue, Primary Dance, and Secondary Dance).

Trophies will be awarded to the top (two or three) placegetters in each division of each challenge. The exact number of trophies awarded may depend on the number of teams participating.

Teams that finish outside the top places in their challenge but are worthy of extra recognition may earn a "Highly Commended" trophy. Across *all challenges*, a total of three (3) "Highly Commended" trophies will be awarded.

### **Travel assistance to the Australia Open**

For selected teams, there is also the possibility of travel assistance being provided to attend the RoboCup Junior Australian Open in September. The exact amount of assistance to be offered and the number of recipients is dependent on several factors and will not be known until after the event.

### **School of Engineering Innovation Awards**

The School of Engineering has generously donated two substantial cash prizes for Innovation. These prizes are intended to recognise and promote innovation in hardware and software engineering, and will be awarded to one Primary team and one Secondary team from *any* challenge.

If necessary, nominated teams will be invited to attend a second interview on Saturday afternoon.

# Schedule – Friday 13 August

*PLEASE NOTE: This should be considered as a guide only. Circumstances on the day may require some changes to scheduling of some events. For this reason competitors are asked to be ready well before their scheduled competition time.*

<b>Rescue preliminaries Soccer preliminaries</b>		<b>Senior Dance</b>
8:30am	<b>8:30am</b> Venue open for organisers  <b>8:45am</b> Venue open for entrants	
9:00am	<b>9:00am</b> Interviewer / judge / referee training  <b>9:00am – 9:45am</b> Confirmation of registration Access to competition area for calibration and testing  <b>9:45am</b> Welcome	
10:00am	<b>10:00am</b> Rescue meeting – all competitors and Mentors	<b>3:00pm</b> 3:00pm Confirmation of registration (Arts Lecture Theatre) Access to Arts Lecture Theatre for calibration and testing
10:30am	<b>10:00am - 11:00am</b> Soccer interviews Soccer Calibration and testing  <b>10:30am</b> Scrutineering/measurement of robots	
11:00am	<b>11:00am - 12:30pm</b> Rescue interviews	<b>4:00pm</b> 4:00pm Senior Dance and Senior Dance Theatre interviews (in the Arts Lecture Theatre foyer)
	<b>11:00am – 11:20am</b> Soccer preliminaries - Round 1  <b>11:30am – 11:50am</b> Soccer preliminaries - Round 2	
12:00pm	<b>12:00pm – 12:20pm</b> Soccer preliminaries - Round 3	
1:00pm	<b>Round 2</b> (Round 3 if time permits)	<b>5:00pm onward</b> 5:00pm Senior Dance and Senior Dance Theatre performances
	<b>12:30pm – 1:30pm</b> Soccer interviews  <b>1:30pm – 1:50pm</b> Soccer preliminaries - Round 4	
2:00pm	<b>2:00pm – 2:20pm</b> Soccer preliminaries - Round 5  <b>2:30pm – 2:50pm</b> Soccer preliminaries - Round 6	
3:00pm	<b>3:00pm</b> Wrap up and venue close	

# Schedule – Saturday 14 August

*PLEASE NOTE: This should be considered as a guide only. Circumstances on the day may require some changes to scheduling of some events. For this reason competitors are asked to be ready well before their scheduled competition time.*

	<b>Rescue</b>	<b>Soccer</b>	<b>Dance</b>
8:30am	<b>8:30am</b> Venue open for organisers  <b>8:45am</b> Venue open for entrants		
9:00am	<b>9:00am</b> Interviewer / judge / referee training  <b>9:00am – 9:45am</b> Confirmation of registration Access to competition area for calibration and testing  <b>9:45am</b> Welcome  <b>9:00am</b> Completion of Rd 1 and 2 For Country Competitors		
		<b>9:30am</b> Scrutineering/measurement of robots where required.	
10:00am	<b>10:00am</b> All teams in all divisions are to be ready to compete in Round 3	<b>10:00am - 10:30pm</b> Soccer qualifying finals 1 & 2  <b>10:40am - 11:10am</b> Soccer elimination finals 1 & 2	<b>10:00am - 12:00pm</b> Junior Dance and Junior Dance Theatre interviews Calibration and testing
11:00am	<b>11:30am</b> All teams ready for Round 4  <b>1:00pm - 2:30pm</b> Rescue - Finals Premier Rescue - Finals	<b>11:20am - 11:50am</b> Soccer semi-finals 1 & 2	<b>11:00am</b> Junior Dance and Junior Dance Theatre performances
12:00pm		<b>12:00pm - 12:30pm</b> Soccer fifth to eighth ranking finals	
1:00pm		<b>12:40pm - 1:10pm</b> Soccer preliminary finals 1 & 2	
		<b>1:15pm - 1:45pm</b> Soccer play-off for 3rd	
		<b>1:45pm - 2:15pm</b> Soccer grand final	
2:00pm	<b>2:00pm - 3:00pm</b> Interviews for Innovation Awards		<b>2:00pm - 3:00pm</b> Senior and Junior Dance Finals
3:00pm	<b>3:00pm - 3:30pm</b> Lucky door prizes Presentations		