

Hobart RoboCup Junior Regional tournament 2011

Information Pack

Dance - Saturday 20th August – Ogilvie High School

Rescue and Soccer – Sunday 21st August – Newtown High School

Registration for the event

To register for the Hobart RoboCup Junior Regional you will need to go to www.robocupjunior.org.au. Go to the “Hobart Regional” registration link underneath the “Tasmania” link (http://www.robocupjunior.org.au/hobart_registration_2011).

Registration cost for each team is \$20. The school will receive an invoice for this just prior or just after the event.

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 everyone 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 10.00 am.
- 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.

On arrival

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

- Team arrival will be noted.
- 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 may 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.

Remember to bring

- Two copies of music for Dance (on mp3 CD or audio CD). 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.
- 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.

Getting there:

Dance (Ogilvie HS) – Up Forester Rd to Valentine St (just after Newtown Primary) Go to the end of the road to the white iron gate. Follow the signs to the Student Centre (at the bottom of the car park)

Rescue and Soccer (Newtown HS) - will be held at the New Town High School assembly hall. Access will be via Midwood St. Entrance by the Hall front doors.

Parking:

Dance – See above – plenty of parks.

Rescue and Soccer – Plenty of parking on site

Food:

Dance – Sausage sizzle available for lunch. Coffee, Tea and Soft Drink available

Rescue and Soccer - . Sausage sizzle available for lunch. Coffee, Tea and Soft Drink available

Rules (Dance, Rescue, Soccer)

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

The complete set of RCJA Rules can be found on the RoboCup Junior Australia website under each Challenge heading:

<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

Teams in the Dance competition will be required to attend an interview throughout the day. Rescue and Soccer teams may be required to attend an interview depending on timing and numbers of teams at each event. All teams are recommended to have a log book of their progress to get to the event – this is a great help for Interviewers.

Students from each team are required to fill in the questionnaire (available at the end of this document) and hand this in at registration. This questionnaire is not only of benefit to organisers, but also allows your team/s to focus on the technical nature of their entry.

Certificates, trophies, prizes

Medallions will be awarded to the winners of each of the five challenges where each of these categories are contested at the regional event.

Dance (Junior), Dance (Senior), Dance Theatre (Junior), Dance Theatre (Senior), Junior Rescue, Senior Rescue, Premier Rescue, Soccer and Novice League Soccer.

Event Venue Organiser Details:

Dance – Susan Bowler susan.bowler@education.tas.gov.au

Rescue and Soccer - Neil Harris neil.harris@education.tas.gov.au

Event Timing

	Saturday 20th August	Sunday 21st August	
	Ogilvie High School	Newtown High School	
	Dance	Rescue	Soccer
9:00am	9:00am Venue open for organisers		
9:30am	9:30am Venue open for entrants. Confirmation of registration. Access to competition area for calibration and testing. Interviewer / judge / referee volunteers to be drafted.		
10:30am	10:30am - 1:30pm Dance and Dance Theatre preliminaries- Including interviews	10:30am - 1:30pm Rescue preliminaries May include interviews	10:30am - 1:30pm Soccer preliminaries May include interviews and Soccer scrutineering
1:00pm			
1:45pm	1:45pm - 2:30pm Dance finals		
2:00pm		2:00pm - 2:45pm Rescue finals Premier Rescue finals	2:00pm - 2:45pm Soccer finals
2:30pm	3:00pm - 3:45pm Presentations (all events)		
3:30pm	4:00pm Venue closed		

This is a guide and there maybe minor changes on the day

RoboCup Junior Interview Questionnaire

Students are requested to complete this Questionnaire prior to the event and submit it on arrival to the venue. You may attach diagrams, photos, journal entries, etc. to support you explanations.

Team name:

School:

- Challenge entered:
- | | |
|-------------------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> Dance (Junior) | <input type="checkbox"/> Dance (Senior) |
| <input type="checkbox"/> Dance Theatre (Junior) | <input type="checkbox"/> Dance Theatre (Senior) |
| <input type="checkbox"/> Rescue | <input type="checkbox"/> Senior Rescue |
| <input type="checkbox"/> Premier Rescue | |
| <input type="checkbox"/> Novice League Soccer | <input type="checkbox"/> Soccer |

List team members and write their roles within the team (builder, programmer, manager etc.)

Name	Role(s)

Robot name(s):

What platform have you used to build your robot(s)? (RCX, NXT, Microbric, Fischer Technik, etc.)

What part in the construction of the robot(s) are you particularly pleased about?

Have you added additional equipment to the manufactured platform?

If yes, please describe the additions:

Who manufactured the additions?

Did you do any research into your robot design? (If yes, please give some examples.)

What programming language have you used on your robot? (ROBOLAB, NXT-G, RobotC, NQC, Java, etc.)

What was the hardest part of the programming to master?

Where did you get your ideas?

Which parts did your teacher have to guide you in?

What aspect(s) of robotics have you learnt most about?

What aspects of working with others have you learnt most about?

If you had more time to prepare, what would you have done to design or programming?

Dance entries only:

a) What song have you used?

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b) Please give a brief description (i.e. the 'story') of your performance.

Declaration of Authenticity

The information provided on the Questionnaire is true and correct. The work on the robots is essentially the work of the team members signed below.

Mentor's signature	Date