



## ROBOCUP JUNIOR AUSTRALIA

# *Melbourne Regional Event 2011*

*Saturday August 6th*

*Geelong Grammar School, Melbourne Campus  
Douglas Street, Toorak*

## INFORMATION PACK

National Sponsors

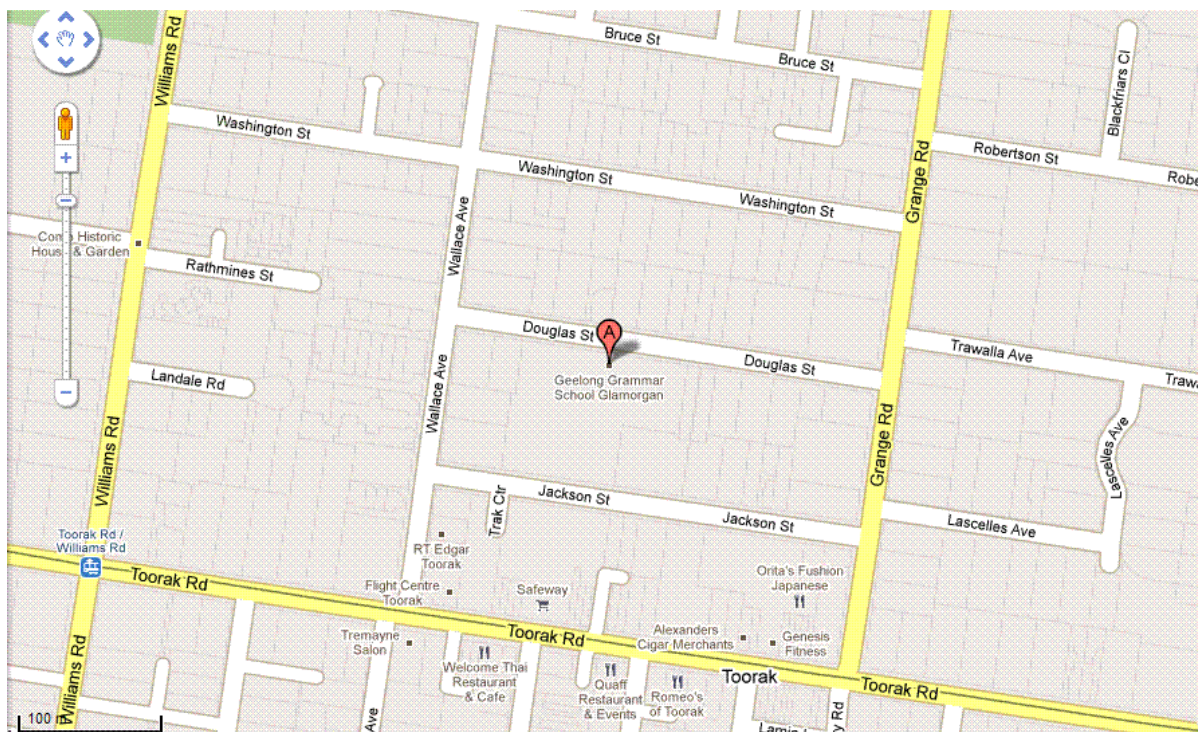


RoboCup Junior – Victorian State Finals	
Audience	Open to all Primary and Secondary Schools.
Disciplines	Junior Dance/Theatre, Senior Dance/Theatre, Rescue, Novice Soccer, Premier Soccer
Location	Geelong Grammar School, Melbourne Campus, Douglas Street, Toorak Melways reference: Map 2M E5
Date	Saturday 6 <sup>th</sup> August 2011
Time	9am - 3pm
Registration	Registration will open at 9 am <ul style="list-style-type: none"> <li>◆ Media Release Forms are mandatory</li> <li>◆ All registration fee payments <b>must</b> be finalised at this time. <b>NO EXCEPTIONS</b></li> <li>◆ <b>\$20 per team</b> payable by cash or cheque only. Cheques payable to RoboCup Junior Victoria.</li> </ul>
Opening Ceremony	Official opening will be at 10am
Competition Times	Dance commences at 10 am Rescue commences at 10 am Soccer commences at 10 am (5 minute halves)
Presentations	Presentations will be held at the <u>conclusion of all divisions</u> , approximately 3.00pm.
Entry Fee	Entry for spectators is free.
Parking	It is recommended that you park in the nearby multilevel commercial car park. Parking restrictions exist in the surrounding streets.
Meals	Students will need to bring their own lunch. Food and drink is not to be consumed inside the buildings.
Volunteers	Volunteers will be needed to assist with the management of the event on the day. If you are able to assist, please let us know at registration.
Student Workspace	Space will be available for students to set up their equipment and prepare their robots. <ul style="list-style-type: none"> <li>◆ This workspace is <b>extremely limited</b></li> <li>◆ Teams may not have a chair for each member</li> <li>◆ Students must bring their own computer equipment</li> <li>◆ There will be only one power outlet per team</li> </ul>

# Location and Parking

Geelong Grammar School, Melbourne Campus, Douglas Street, Toorak

Melways reference: Map 2M E5



## Contact Information

If you have any queries please contact the appropriate people:

Event Coordinator:	Susan Dixon	<a href="mailto:sdixon@sac.vic.edu.au">sdixon@sac.vic.edu.au</a>
Soccer:	Brian Thomas	<a href="mailto:thomas.brian.d@edumail.vic.gov.au">thomas.brian.d@edumail.vic.gov.au</a>
Rescue:	David Ebert	<a href="mailto:ebert.david.l@edumail.vic.gov.au">ebert.david.l@edumail.vic.gov.au</a>
Dance:	Jen Pritchard	<a href="mailto:jen1901@gmail.com">jen1901@gmail.com</a>

## Competition Draws

Draws for the Soccer and Rescue competitions will be available on the day. The Dance draw should be emailed to all schools by **Friday 5<sup>th</sup> August**. Please be aware that the event program is flexible and it is possible there may be some variation to the times on the day. In the event that less than 5 entries are received in any section, that section will be run as a workshop rather than a competition.

## Venue Protocol & Rules

No responsibility will be taken by the venue or RoboCup Junior Australia organization for any items, robots, laptops etc lost or damaged during the competition.

Mentors may not assist the students on the day with the building or programming of the robots. Please read the Mission Statement to understand the spirit of the Competition.

There will only be a limited number of powerboards & extension leads available therefore you may like to consider bringing your own to ensure you have what you need for your preparations.

## Media Presence

As there may be media presence you have received a copy of a Staff & Student Media Release deed. Please note that a signed form for each student & staff member is necessary and will be collected as you register. You will not be able to participate without this deed signed by a parent/guardian.

## Competition Rules

Please read and familiarise yourself with the current rules and judging criteria for each activity (i.e interviewing processes e.g Dance interview evaluation sheets and scrutineering of robots). Official rules are available on [www.robocupjunior.org.au](http://www.robocupjunior.org.au). Ensure you have read the 2011 update of the rules.

## Use of Electronic Equipment

Due to the sensitive nature of the robots, **NO FLASH PHOTOGRAPHY** will be permitted in areas where it may affect the robots. Please check for signage to locate permissible areas for photography

**NO Infra Red towers, computers, mobile phones or other communication equipment is permitted in competition areas!** Any team member or spectator who is seen using this equipment will be asked to leave the area and the team may be penalised.

# Mission Statement & Objectives

RoboCup Junior 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. RoboCup Junior 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 that 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. RoboCup Junior Australia must remain accessible to students around the world.

# Equipment Requirements

## Dance Competitor Check List

### Before the event:

1. Download the 2011 dance rules, ensure you have read them.
2. Download the 2011 Assessment sheets, read them and discuss them. Know what the judges are looking for as the most important aspects.
3. Build a robot that is stable, doesn't fall over or break-up. Use masking tape, electricians' tape, string, self-stick Velcro: whatever you need to keep the costume on and the robot in one piece.
4. Make a program that works every time and TEST it in the required space and on a similar surface. Know where in the space you need to place the robot to keep it within the dance space. Use a tape measure if you need to.
5. Build the robot so that your fingers can easily get to the on/off buttons and the program buttons. Load the same dance program into all 5 slots of the RCX so it doesn't matter which slot you are on, all will work.
6. Stick black electricians' tape over the RCX IR window so that light, other IR towers etc won't affect your program.

### What to bring:

1. Laptop computer with the software program and your Dance program on it.
2. All music **must** be provided on a **CD**. Each CD must be clearly labelled with name of the school and team, and should only contain the music that is to be played. Each team must have their music on a separate CD. **Please check that your CD will play on a variety of CD players**, not just through a computer.
3. Robot, spare batteries, download cable/tower, etc.
4. Tubs to hold equipment.
5. Completed Media Release forms from each competitor. Please note: All competitors **MUST** submit a Media Release form at registration. This form may be downloaded from the Web site: [www.robocupjunior.org.au](http://www.robocupjunior.org.au)

## Soccer/Rescue Competitor Check List

1. All schools entered into Soccer **MUST** provide 1 Referee for every three soccer teams entered.
2. Schools entered into Soccer **MUST** provide 1 stop watch and 1 whistle per school for referee use.
3. Robots, spare batteries, etc
4. Tubs should be used to hold equipment. Due to limited space, school bags, back packs etc are not allowed in set-up area.
5. Completed Media Release forms from each competitor. Please note: All competitors **MUST** submit a Media Release form at registration. This form may be downloaded from the Web site: [www.robocupjunior.org.au](http://www.robocupjunior.org.au)