

Meeting Commenced at 6:30pm.

1. Competition issues.
2. General group issues.
3. Technical issues.
4. Presentation.
5. Next Meeting.

1. Competition Issues

In searching for places to hold the final competition. QUT and UQ have been ruled out. It now falls to GU. – **Tracy and AnthonyE to continue room search.**

Competition date still set to 27th November.

Carry Over Issues.

Interest has been raised from overseas on purchasing the videos of the competitions. The editing of these videos is to be discussed at the next meeting. – **Aaron and Tracy to action.**

2. Group Issues

T-Shirt designs are to be started and voted on over the next 2 meetings. There is to be a T-Shirt design competition, with e-mail and website promotion. The winner will receive a free t-shirt. Judges will be the entire group.

Meeting events were set up for next year. Michael's Robocon videos for Sep, and his robot entries for year 2000 sometime in Feb.

Carry Over Issues.

Can the ACS fund the t-shirts since it will have their logo on it, and we should be getting sponsored from them each year? – **Tracy to action.**

Can we get the t-shirts by themselves for a small initial run before the end of the month for the GU open day? and what format do they need the artwork in? – **Paul to action.**

With the new venue at GU, a notice for the door front needs to be created. – **Aaron to action.**

With the reduced membership fees now in place, the chasing of monies will now begin. – **Aaron to action.**

FAQ for the website to be introduced. – **Tracy to action.**

Promoting the group through another sponsor/organisation is to be examined. The National Institute of Engineers Australia (NIEA) has expressed interest so far. – **Tracy to examine.**

Contact Gorden Wyeth about guest speaking. – **Tracy to action.**

Find out if Gorden is going to hold another lego workshop this year. – **Tracy to action.**

3. Technical Issues

None from this meeting.

4. Presentation

7th Sep - Andrew McCubbin and Aaron Dwyer discussed with the group the new Mini Sumo robot that will be the groups joint project.

The first phase of the design is to outline the requirements of the project. What we want to achieve and how we are going to get there.

The Mini Sumo idea encompasses all of the robotic factors that are needed to create a simple autonomous robot.

The ring will be reduced in size at 750mm Diameter, and be of the same configuration as the standard sized sumo ring. The robots will of course be reduced in size and all robots in this competition will be of the same design and construction.

For the design of the schematic and prototype PCBs Andrew McCubbin is giving us his services.

Requirements: Mini Sumos

- small
- sensors (bump)
- cheap (<\$60)
- expandable (ram)
- easy to make
- easy to use at schools
- easy to use at the group
- provide user feedback (leds, piezo)

- no continual downloading of code
- processor style to be HC11
- programming style to be C with embedded ASM

HW List

- 2 motors (jaycar)
- h-bridge with pwm
- 2 shaft encoders
- 4 bump switches
- few line sensors (ldr, ir)
- wheels and skids.
- battery (12v, 0.5A)

We now move into the next phase of the design, drawing up circuit diagrams and laying out a printed circuit board. These will be discussed over the course of the next few meetings.

5. Next Meeting

Tuesday, 5th October, 6:30pm.

Committee meeting : Standard at GU

Standard club meeting : Michael will be showing his RoboCon video tapes from 1998 / 1999

Meeting Ended at 9:00pm.