

ISOCROB Participation in RoboCup 2003

Middle-Size League

2nd ISLab Workshop



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Summary

- Ups ...
- ... and Downs
- Final remark



Ups ...

- Hardware gave almost zero problems
- Look-up tables were done only once and worked well all the time.
- Starting procedure worked most of the times
- Robots could always find the ball whenever it was in their reach
- Robots could (almost) always know the ball position
- Localization was done more often, improving game play
- Dynamic role switching among the robots improved the game quite a lot
- Robots were much faster than in other competitions

Ups ...

The overall result can be seen by the games scores

First participation in a challenge with a great 3rd place

Especially if we think the team didn't win a game for the last 2 years...

Jialong	0	3	ISeCROB
ISeCROB	2	1	Attempto!
ISePorto	0	2	ISeCROB
5dpo	0	2	ISeCROB
ISeCROB	4	0	Milan
ISeCROB	0	4	Fusion
ISeCROB	0	6	Trackies
ISeCROB	1	0	Mostly Harmless

... and Downs

- Still takes a lot of time to build the colour look-up tables
- Robots are still too slow
- Success rate of self localization is still too low
- Sometimes, due to bad localization, robots thought the ball was outside the field while the ball was in. This made them switch to *standBy* instead of *getclose2ball*.
- Communications among robots were a major problem
- Fast teams or good defence teams are still very difficult to overcome

... and Downs

- Defence was better than in other competitions but needs to be more efficient
 - Most of the times when a robot started *getclose2Ball* the others switched to *standBy* and stood in the same spot for a long time
 - It doesn't make sense that 2 or more robots try to go to the same place
- Goalkeeper did better than usual, but neither its behaviour was satisfactory, neither we used the available behaviours
- During game play a few *segmentation fault* occurred
- Gamelface had several functionality failures

Final remark

The work that has been done showed good results

However one of the things one could learn is that there are a lot of problems yet to be addressed, and a lot of research that must be done in order to achieve higher goals.



Keep up the good work!!!