

Robby the NQSober Robot DOCUMENTATION

Place: Lund, Sweden
Time: 29.07. - 13.08.2005.
Weather: very, very bad
Mission: SIM ROBOTS - NOW IN SPACE
Group: Robby's family
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Robby is now ready to face the challenge of exploring almost any kind of unknown space environment, using as powerful tools as two motors, one optical sensor, two touch sensors (nowadays, space agencies seem to seek for cheaper and cheaper solutions) and, most important, a lot of luck! While designing Robby, the main goal we tried to achieve was making him as fast as possible, but without lacking of stability, efficiency and accuracy. This was accomplished by building a firm and strong construction. But what really makes Robby different to other robots is his perfectly-shaped head equipped with constantly alerted wide-opened eyes, a multi-functional nose/mouth often used as a handle to pick him up when he loses track and a pair of mobile, aerodynamic ears. Furthermore, his specially designed crash-proof helmet protects him from any possible threats he might encounter, including meteorite rain and falling into black holes.

When he is in the right mood, Robby is able to:

- follow a white line on a dark surface
- recognize a fork marked by a gap (before fork) in the main track and choose predefined direction
- follow a wall
- remove a rock from the path
- mount on an elevated surface (and maybe take a look around)
- receive and process alien signals transmitted by extraterrestrial satellites

To conclude, being the impartial and modest creators of Robby, we believe that he is one of the most skillful participant robots taking part in the competition.

However, if Robby somehow (just hypothetically) fails to complete one (or maybe more) of his tasks, please don't judge him too hard - after all, he is just a two-week old baby.