BEST Summer Course 2007

Place: Lund, Sweden
Time: 13.07.07 - 28.07.07
Mission: Natura 2000
Name: AVA
Group:

Alexandre (Telecommunication Department, Polytechnic National Institute of Grenoble, France)
Velimir (Faculty of Electrical Engineering and Information Technologies Skopje, Macedonia)
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AVA was designed for project Natura 2000 to investigate remote areas. He is capable of exploring places that is hard to reach, because of their unfriendly surface and conditions. He is very gentle to the environment and he will do no harm to the nature. He changes the things around him just as much to get through and left nature behind almost untouched.

We choose very simple but strong and flexible mechanical structure that allow him to go almost everywhere. Two strong engines determines his moves and with light sensor he can go from one mission to another without any problem (if he has a good day). Touch sensors are used for removing obstacles from his way and also exploring the caves (if he only has enough memory to remember this task). You can remote control him by sending him messages. We also try to reach look that is similar to the other animals, so he can not scared them away.