

Team “Foot-Prints”

Keiichi Okamoto, Yayoi Okamoto
<http://homepage3.nifty.com/Chocopa/fp/>
2-5-1-501,nigawakita,takarazuka-city,hyogo, zip 665-0061, Japan

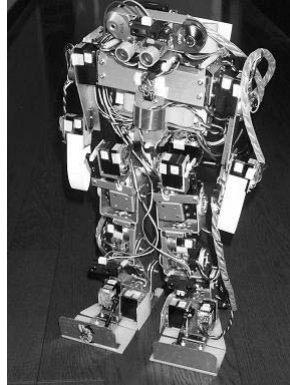
Abstract. "Foot-Prints" is a Team of individual. We are the friends who participated in ROBO-ONE. ROBO-ONE is bipedal robot game in Japan. There was the first game in February, 2002. The group which studies a bipedal robot in Kansai in Japan is "Foot-Prints". We fought by RoboCup2002 Fukuoka/Busan. It is a humanoid league 40 cm class.

1 Introduction

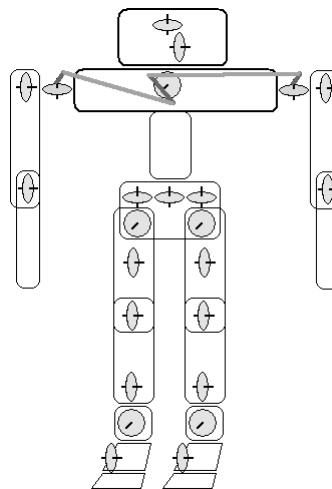
We are developing the humanoid. It is full autonomous. The robot's name is "Barukii2". It will be aimed at a full autonomous soccer game in 2004, but "Barukii2" will play an active part in "RoboCup2003 Padua".

2 Hardware

"Barukii2" is using 22 motors, the height is 40cm and the weight is only 1.8kg. Two cameras, three accelerometers, one geomagnetism sensor, three infrared sensors, and one ultrasonic sensor are carried, but, much software is not completed. The computer for navigation and the computer for movement are carried. A computer will be updated next year.



”Barukii2”



DOF Map

2 Software

The games in RoboCup2003 and especially full autonomous 1 to 1 soccer games, are technically very difficult to achieve. They are under research.