

Bot specification WF Wolves 2010

Ostfalia University of Applied Sciences, Department of Computer Sciences,
Am Exer 2, 38302 Wolfenbüttel, Germany
<http://robocup.ostfalia.de/>



Fig. 1. Bot WF Wolves 2011

- **Name:** Jonny, Hugh, Copper, Locutus, Ichep, Iron First
- **Number of degrees and freedom:** 20 DOF
- **Type of motors:**
 - wCK-1111K → 11kg torque
 - wCK-1108K → 8kg torque
- **Computing unit:**
 - BF561 Dual-core DSP-microcontroller from analog devices with 2x500MHz
 - Movement and IMU: At91SAM7X256 from Atmel with 50MHz
- **Camera:** Omnivision Modell: ov2640
- **Sensors:** 2 Cameras and an IMU(3-axis accelerometer, 2-axis gyroscope)
- **Walking speed:** up to 25 cm/s
- **Other specs:**
 - Weight: 1,9 kg
 - Size: 36 cm