

Bot specification WF Wolves 2009

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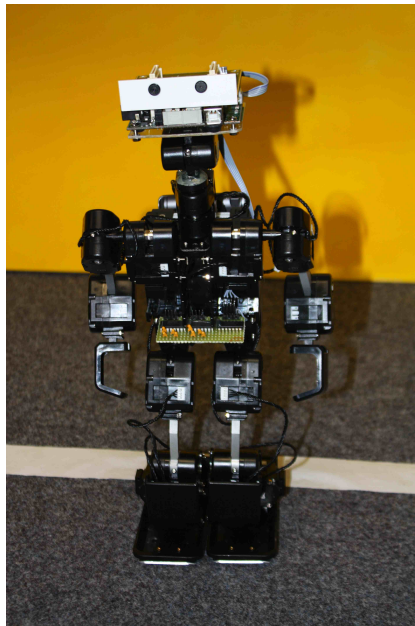


Fig. 1. Bot WF Wolves 2009

- **Name:** Jonny First, Hugh First, Icheb First, Locutus First
- **Number of degrees and freedom:** 18 DOF
- **Type of motors:**
 - wCK-1111K → 11kg torque
 - wCK-1108K → 8kg torque
- **Computing unit:**
 - BF561 Dual-core DSP-microcontroller from analog devices with 2x500MHz
 - PDA: Fujitsu-Siemens pocket loox n560 with 625MHz
 - Movement: Atmel Atmega 128
- **Camera:** Omnivision Modell: ov2640
- **Sensors:** 2 Cameras and a 3-axis accelerometer
- **Walking speed:** up to 25 cm/s
- **Other specs:**
 - Weight: 1,5 kg
 - Size: 36 cm