

### 3.1. Showcase Research

To demonstrate the benefit of the BRICS results for PhD students multiple approaches have been implemented. The Care-O-bot 3 robot research platform (RRP) has been finished around T14 and was used by BRICS partners to test and develop specific libraries and tools of their work packages. The robot additionally was used as a hardware platform on the first BRICS research camp in T20 (figure 14). As described in the Deliverable 5.1 the evaluation workshops will be executed with the application development of a RoboCup@Home scenario. Hence a close interaction and cooperation with the partner BRSU was done in the last year to analyse the different scenarios and the experiences during development. A first evaluation workshop using BRICS results is planned between T30 and T32. The work of WP5 will focus on the preparation of this workshop in the next month.



Figure 14: Care-O-bot 3 RRP at the BRICS research camp

In parallel to the evaluation in smaller short term workshops a long term evaluation of development processes in research is done using the DESIRE platform. This RRP coming from a previous research project was refurbished in year 2 to be useful for the research done by the BRICS partners. After the RRP was finished it was provided to research institutes as a development platform enforcing a detailed documentation of their development processes with the corresponding efforts. A first station of this long term evaluation is Lund University, where the robot is used for multi sensor fusion and mobile manipulation control. This summer (2011) the DESIRE robot will be shipped to the partner KUL for their research. At this time a detailed report of the developments at University Lund will be added to this deliverable.