

Human-Humanoid Cooperation Demonstration

Miguel Xochicale
School of Engineering
University of Birmingham

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Abstract

Technical report for the demonstration of a human-humanoid cooperation activity at the Open Day at The University of Birmingham.

1 Introduction

For the demo, NAO, a humanoid robot [Gouaillier et al., 2008] has been programmed to move their arms from left to right in a continues way (Fig 1).

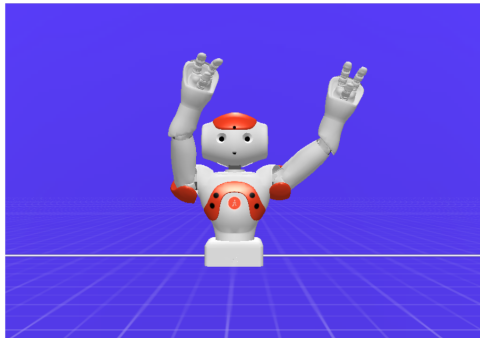


Figure 1: **Nao**. Upper arm movements of NAO.

2 Effects of Lights with Colours

Acquiring pictures with different light conditions make changes of the filtered images. It requires more investigation to tackle light dependencies to tackle better such problem. It can also be raised a question regarding the consideration of different skin colours of users when interaction with NAO.

References

- [Gouaillier et al., 2008] Gouaillier, D., Hugel, V., Blazevic, P., Kilner, C., Monceaux, J., Lafourcade, P., Marnier, B., Serre, J., and Maisonnier, B. (2008). The NAO humanoid: a combination of performance and affordability. Technical Report arXiv:0807.3223. Comments: 10 pages, 20 figures, paper submitted to IEEE Transactions on Robotics.