Innsbruck Multi-View Hand Gestures (IMHG) Dataset

Hand gestures are one of the natural forms of communication in human-robot interaction scenarios. They can be used to delegate tasks from a human to a robot. To facilitate human-like interaction with robots, a major requirement for advancing in this direction is the availability of a hand gesture dataset for judging the performance of the proposed algorithms.

Dataset Features

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Reference

Dadhichi Shukla, Ozgur Erkent, Justus Piater, The IMHG dataset: A Multi-View Hand Gesture RGB-D Dataset for Human-Robot Interaction. Towards Standardized Experiments in Human Robot Interactions, 2015 (Workshop at IROS). Extended Abstract.PDF.

BibTex

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  @InProceedings{Shukla-2015-StandardHRI,
    title = {{The IMHG dataset: A Multi-View Hand Gesture RGB-D Dataset for
Human-Robot Interaction}},
    author = {Shukla, Dadhichi and Erkent, Ozgur and Piater, Justus},
    booktitle = {{Towards Standardized Experiments in Human Robot
Interactions}},
    year = 2015,
    month = 10,
    note = {Workshop at IROS},
    url = {https://iis.uibk.ac.at/public/papers/Shukla-2015-StandardHRI.pdf}
  }
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Acknowledgement

The research leading to these results has received funding from the European Community's Seventh Framework Programme FP7/2007-2013 (Specific Programme Cooperation, Theme 3, Information and Communication Technologies) under grant agreement no. 610878, 3rd HAND.

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https://iis.uibk.ac.at/ - **IIS**

Permanent link:
https://iis.uibk.ac.at/research/projects/3rdhand/imhg_dataset?rev=1450042318

Last update: **2018/09/03 14:57**