

International Journal of Robotics Research

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Data Papers

The International Journal of Robotics is now accepting submissions of “Data Papers”. The purpose of a Data Paper is to create a vehicle by which high (archival) quality data can be made available to the wider community while rewarding the authors’ efforts with peer reviewed journal citations. The data should have enduring utility to the robotics community. Authors are encouraged to consider the following points when submitting a Data Paper for review.

- Data papers should be short - around 3 pages - and will be published in the journal and made available online on the sage website.
- Attention should be given to
 - how the data was captured with all relevant detail (e.g camera calibrations, sensor coordinates, sensor types, timestamp accuracy)
 - how the reader can parse (programmatically) and index into the data
- Where appropriate, ground truth data should be provided and details given on how it was obtained.
- Where possible, numerical data should be provided in human readable plain text format, images in high quality jpeg or png format.
- The data should be placed in the context of current research making it clear which research field it applies to.
- If applicable, a commentary on the data is valued. Discuss aspects of the data (or its interpretation) whose processing is within and outside the state of the art at the time of submission.
- The paper should highlight any known issues or obvious difficulties in the data set - e.g sensor dropout , camera flare.
- Authors are encouraged to provide suitable parsing and access tools in the form of matlab scripts (compatible with 2007 releases) or C/C++ code. In the case of the latter the source files must be provided and must compile

under gcc 4.0 or Visual Studio 6.0 with no external (non-standard) library dependencies. The source code must be cross platform (linux, Win32 and MacOSX)

- Reviewers will be asked to consider the value and quality of the data and not algorithmic novelty.
- Papers which seek to describe a new algorithm in conjunction with the data supplied will be considered to be a standard submission with MM extensions and not a Data Paper.
- The paper should be driven from start to end by the desire to make the data used by other authors
- Authors are not expected to host the data themselves.
- If the submitted data exceeds 200MB a representative subset of the data should be submitted for review. Authors should indicate how this sample was chosen.
- If the authors' submission is intended for an audience/use already addressed by an existing (published) data paper then the authors should be explicit about what shortcomings are addressed by their submission.