Guidance on Creating IJRR Video Multimedia Extensions

October 29, 2008

The IJRR accepts and reviews videos as multimedia extensions to papers accepted for publication in the journal. The journal wishes its Multi Media archive to provide a consistent, high quality resource for robotics researchers and each and every extension to be a valuable component of the paper. With this in mind, this document aims to provide a statement of best practice for MM submissions received from October 2008 onwards.

Content

- The video must, prima-facie, provide added value to the journal paper. It must visualise data and results in a way that could not be accomplished by figures embedded in the paper.

- The video should open with a white-on-black title page held for a few seconds containing:

    - The paper title
    - The authors and their affiliations
    - The video title
    - The extension number
    - A statement saying this is an IJRR Multimedia extension

- The title page should segway to a white-on-black summary page saying what the video is showing and placing the MM content within the context of the paper.

- The technical content of the video should be well explained with the use of textual and or audio annotation as required. Care should be taken to avoid compression artifacts which impinge on the scientific content of the video (and by association paper); for example the blurring of numbers on axes of graphs

- The video should end with a white-on-black slide of acknowledgements if and as required.

Video Properties

- Ideally 640 by 480 resolution and at least 20 fps.

- The video compression should be of high quality. The journal expects compression technology to evolve and so does not wish to be prescriptive over compression types. However as a guideline in 2008 divx, avi, mpeg,mov,flv compression is welcomed. We expect videos to be able to play on Windows XP, Linux and Mac OSX machines (hence wmv compression is discouraged as it can be fiddly on some non MS platforms) . Note the MM editors reserve the right to request authors to change the compression codec before publication.

- The title and summary slide should resemble that of the provided example video provided.

- Ideally videos should be below the 100MB mark

Example Video

A demonstration video has been compiled to illustrate the sort of video the journal is expecting. This an be downloaded from the IJRR website. [1] This video was created with the "avisynth" scripting tool and compressed with a divx codec.

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[1]Please note that the technical content of the video is not the point of this video (contrary to expected summisions) and that we know of no author called Brian Brilliant or Edgar Excellent.