ISBE
Imaging Science and
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Progress Report Submission
for C. J. Taylor

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25th May 2004

Agreed Upon

- Schedule automatic documentation of the MATLAB repository.

- Arrange a meeting to discuss wrappers for MATLAB and VXL.

- Reread Carole's paper submission to BMVC 2004.

- Do some reading on model residuals.

- Continue searching for a point insertion solution.

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*P*rogress Made

The first part of this section is not sufficiently descriptive and a real-time demonstration is the only alternative.

Technical

- Default colours for AART outputs have been changed. Color settings have been applied for all figure types.

- Logo stamping of images has been implemented

- Date stamps have been added to outputs so that chronological ordering becomes trivial.

- Images can be resized *en masse* to enable easier display of outputs throughout the weekly meetings.

- Large-scale code organisation.

- Several more options were added, mainly to complement automation and display.

Others

- Reading material, as described in the previous section, was covered.

- Cable, SWIG and CableSwig were investigated for several days. Meetings to discuss the related issues were scheduled, one of which is to take place before the meeting involving CJT.

- A dynamic combined model weighting, namely the value of W_s, was implemented. Some preliminary thoughts were sent by E-mail to CJT.

- A discussion with Carole provided insights into the implementation of inverse transformations.

- Data reconstruction using inverse warps was made possible on Sunday, yet more exciting further work is foreseen, as the next section describes.

Next Stage

- Discuss the pseudo-code document.

- View some results of the many interesting experiments.

- Discuss CableSwig in brevity.

- A wise point insertion mechanism should soon be implemented. It relies on:

    1. the ability to find the warp W^{-1} given W
    2. the reconstructing of data instances given their model.