ISBE
Imaging Science and
Biomedical Engineering

Progress Report Submission
for C. J. Taylor

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Agreed Upon

- Speak to Tomos and work with him on shape models.

- Learn the code, get the MDL objective function to work and ensure that it breaks for varying width and height of the bump.

- Work towards an MDL approach that accounts for the model residuals. Consult Carole on this issue.

- Get a skeleton of the continuation report available.

- Prepare a Gantt chart for the literature survey, the entire report, the work on code and the theory behind it.

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*P*rogress Made

- Progress was made on the continuation report.

- Journals were read and bibliography modified.

- Some papers were re-read (including Rhodri's shape models optimisation).

- MATLAB's *Models* library was learned.

- Discussions with Carole and Tom on shape models.

- Research pages maintenance.

- Fine changes to the ISBE internal pages.

- Small GUI was built for automatic landmarking to speed-up and simplify experimentation.

- In AART: Sinally fixed objective function increase (inspired by 'shape' code); Added 3 missing log entries.

- Application form was completed for the summer school in London.

- Preparation of forms 5,6 and the progress document which supplements Form 5.

- 'Shape' experiments were performed to verify that the MDL approach works.

- Varying height and width of the bump results in improper results, just as anticipated.

*N*ext Stage

- Discuss the pseudo-code document.

- Discuss the objective function for image registration.

- For the shape correspondence problem, discuss MDL encoding of the model residuals.

- Structure of continuation report to be looked at briefly.

- IRC summer school: ensure signed forms have been sent out.

- Meeting to discuss Form 5 is yet to come.

The following chart describes activities that will occupy the next couple of months.

Task/Week Starts	Jn. 14th	Jn. 21st	Jn. 28th	Jl. 5th	Jl. 12th	Jl. 19th	Jl. 26th
Continuation Report		Surrey	◇	◇	◇	◇	◇
Literature Survey		Surrey			◇	◇	
Theory	◇	Surrey	◇				
Implementation	◇	Surrey	◇	◇			

Gantt chart for the early summer