**ISBE**
Imaging Science and
Biomedical Engineering

# Progress Report Submission
# for C. J. Taylor

R. S. Schestowitz*
*Research Student*
Imaging Science and Biomedical Engineering
Stopford Building
University of Manchester
United Kingdom

4th October 2003

# Agreed Upon

- The following M.Sc. Modules are be taken (with the exception below):

  1. Semester one: Machine Learning
  2. Semester two: Computer Vision
  3. Semester two: Mathematical Methods

  CJT (to denote "the supervisor" from here onwards) will look at my understanding and literature survey at the end of semester one and decide if the second or third options are both necessary or require formal assessment.

  Amongst the other modules considered:

  1. Human Biology
  2. Optimisers

- PostScript versions of progress reports should be replaced, preferably by PDF.

- Format of progress reports to be changed – bulletpoints to become the standard.

- Regular meeting slot scheduled: Monday 18:00. Under certain circumstances, this will be altered by CJT or Angela.

- Learn and practice MATLAB to achieve sensible familiarity and competence.

- Account at *Department of Computer Science* to remain active.

- On-line literature: bookmarking of information sources was encouraged. Springer-Verlag, JRULM E-journals and ISI Web of Knowledge are to be accessed and explored.

*Contact: *sch@danielsorogon.com*
Electronic version: *http://www.danielsorogon.com/
Webmaster/Research/Progress*

**Reading**

- Medical Image Registration - focus on sections 3 (Registration Methodology) and 13 (Nonrigid Registration).

- Sonka *et al.* - general reading; Canny edge detection to be revised.

# *P*rogress Made

- Correspondence with *Department of Computer Science* regarding registration for the Machine Learning course (see above). MATLAB is an integral part of the course which encompasses nearly 90 hours of exercise. *40 hours of work are expected to be spent by the 12th of October deadline.* Lectures will take place the following week.

- Notes to be used in the literature report have been taken.

- Departmental machine "fed" with essential files (ISBE papers, personal mail archives, on-line directory, software etc.)

- Web site updated to include PDF version of the progress reports. A solution to low-resolution fonts was found and bullet-points are now are predominantly used.

- E-mail messages sent to *roy.schestowitz@stud.man.ac.uk* will now be forwarded to *sch@danielsorogon.com* which is checked frequently. ISBE mail account is checked in conjunction with the one above.

# *N*ext Stage

- As CJT suggested, literature guidance is required on:

  - How to search relevant papers.
  - How Access to electronic journals.
  - Electronic journals I need to occasionally look at.
  - Preferred textbooks.

- Graduate handbook has several forms to be filled out by CJT at any point before the end of October.

- Videotape of student talks was received from Shelagh and will be watched within the next week.

- The Machine Learning course and especially its practical component are likely to intervene with my reading and research effort at present.