

# FFS Orbit-Steering/FB: Software

Project Leader:  
Anthony Scarfe  
a.scarfe@dl.ac.uk

# Main Goals : Orbit-Steering

- Simulation-free
- 5 – 10 minutes to converge
- Orbit RMS between 0.1 and 10 microns (feasibility tests required)
- >99% success rate
- Handle Glen's expected errors
- Handle BPM/mover failure/limits
- Handle atypical optics
- Variable weightings for movers/BPMs

# Preliminary Schedule

- Formation of project group (please email me)
- Review of current progress with code and code assumptions comparison
- Decision on baseline and alternative code methods and I/O specs
- Completion of both codes and simulation testing phase
- Final testing comparison of code feasibility
- Complete interface software
- Test on flight simulator

# Feedback

- Goals not presently formalised.
- A review of feedback methods/options is required.