



## 4th Term - MSc Proposal

MSc title: <b>Interval Analysis: Image Restoration</b>	Host University: Heriot-Watt
	Supervisor: Paolo Favaro

### Brief description of the project:

The project aims at designing and testing the interval analysis method for filtering. Interval analysis is a powerful technique to find globally optimal solutions. It has been successfully applied to several fields where unknowns have small dimensions. In this project we explore the capabilities of this method in image restoration.

The project will involve programming in C/C++, understanding and using code for interval analysis currently available on the web.

### Software/Hardware needs:

Will be provided by HWU

Submit a single page proposal.

Host University: Bourgogne/Heriot-Watt/Girona

Software/Hardware needs: Detail the programming platform (matlab, C++, etc) and the lab facilities required for the project (cameras, acquisition cards, lasers, etc).