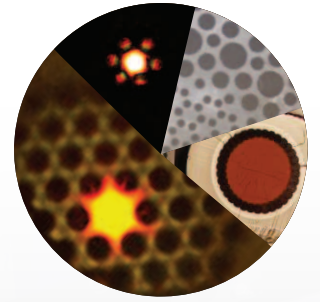


Microstructured Polymer Optical Fibre Training Course



The Australian National Fabrication Facility (ANFF) and the Institute of Photonics and Optical Science (IPOS) at the University of Sydney will be offering training courses on the fabrication and characterisation of microstructured polymer optical fibres (mPOF), as well as a short lecture course on related topics.

The practical aspects of the course will include:

- Preform fabrication techniques and demonstrations
- Hands-on training in fibre fabrication, including multi-step fibre drawing
- Fibre handling, termination, connectorisation
- Basic fibre characterisation methods
- Outline of long period gratings fabrication and demonstration.

The lecture course will include:

- Basic rheology of the draw process, effects of material and draw parameters
- Basic waveguide theory and gratings
- Loss mechanisms in mPOF
- Basic theory of photonic crystal fibres and modelling approaches
- mPOF research overview and applications.

The training course will be held over 5 days, and will be scheduled between January and July 2013 in consultation with attendees. It will be held in the School of Physics, The University of Sydney, Sydney, Australia.

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