

## CHARLA INVITADA MARYANNE LARGE

On 6 of November of 2008 Maryanne Large visited our Laboratory at the University of Cantabria and teached for the Photonic Enginnering Group a top quality tutorial entitled:

•Microstructured Polymer optical fibres•

Dra. Maryanne Large is a a well known Prof. at Optical Fibre Technology Centre (OFTC,) University of Sydney, Australia.

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### SUMMARY:

Like silica photonic crystal fibres, microstructured Polymer Optical Fibres (mPOF) achieve their optical properties athough a pattern of tiny holes that run the full length of the fibre. However, the range of fabrication techiques available, and the very different material properties of polymer mean that a rather different range of applications can be explored. These include short-haul communication, and strain and bio-sensor applications, and the inclusion of materials including dyes, quantum dots, and silver nano-particles.