



## **International PhD scholarship in Nano-particle enhanced electro-optic photonic bandgap fiber devices**

One PhD scholarship is available at **COM•DTU** (Department of Communications, Optics & Materials at the Technical University of Denmark) in collaboration with CREOL: The College of Optics and Photonics, University of Central Florida, from May 1, 2007.

As part of a research project on tunable photonic bandgap fiber devices, one international PhD scholarship is available at **COM•DTU** in collaboration with the University of Central Florida (UCF), USA. The goal of the project is to develop novel tunable and switchable all-fiber polarizers and waveplates based on electro-optic photonic bandgap fibers. The PhD project will involve research on advanced waveguiding in anisotropic microstructured bandgap fibers, silica surface chemistry and nano-particle doped liquid crystals for enhancing electro-optic effects. The project is mainly experimental. The candidate for the international scholarship is to spend 18-24 months at **COM•DTU** and 12-18 months at UCF located in Orlando, Florida.

Further information about the scholarship and requirements for application can be found at:  
[http://www.dtu.dk/English/About\\_DTU/vacancies.aspx](http://www.dtu.dk/English/About_DTU/vacancies.aspx)

**Deadline for application: February 28, 2007**

# **COM•DTU**