



Advanced Components Co-operation for Optoelectronics R&D

ACCORD News



ACCORD Progress

ACCORD is the Advanced Components Cooperation for Optoelectronics Research and Development - an experimental program funded under the Sixth Framework Programme of the European Union (IST-2005-2.5.1, Photonic Components).

Began in September 2006 and running for 3 years, ACCORD's main purpose is to:

- **Purchase at marginal cost pre-competitive photonic devices from innovative European companies and put them in the hands of European researchers and students, at no net cost to the university or to the company that furnished the devices.**

You can get the latest information on ACCORD progress at www.ist-accord.org

ACCORD Partners Update

A project Update by the ACCORD Partners will take place at:

- ACCORD at Laser World of Photonics
- New Munich Trade Centre
- Exhibition Hall C1 Forum Area
- Tuesday 16th June 12.00 to 12.30

ACCORD has now purchased 12 components and placed them with researchers. Several of these projects involve the application of Lasers. The 30 minute session will outline three of the relevant project objectives and results to date.

- The University of Jena is researching CARS (coherent anti-Stokes Raman scattering) microscopy which is a promising approach to novel imaging technologies, that combines a chemical contrast mechanism with high picture frame-acquisition rate.
- The Physics Department of the University of Strathclyde is researching combine radiation from several lasers to produce a wavelength and time multiplexed light source which can be used for gas sensing.
- The Institute of Photonics is researching an adaptive-optics system coupled with a genetic algorithm for a laser scanning optical sectioning microscope to improve image quality and resolution at greater depths in biological samples

If you are interested in any of the projects awarded and listed below, giving the University and title of the project, information can be obtained from the ACCORD partners at the Forum session.

- St-Andrews U. (UK) – Photoporation using fiber tips
- U. Politécnica de Madrid (ES) – All fibre stripper upgrading

- Tampere U. Techn. (FIN) – Micromachining of biodegradable implants
- U. Latvia (LV) – Adaptive optics for eye physiology studies
- U. Politécnica de Valencia (ES) – SOA and EA for novel applications
- U. Strathclyde (UK) – Multiwavelength spectrometer for gas sensing
- ETH Zürich (CH) – Spectroscopic imaging using femtosecond laser
- U. Jena (D) – CARS microscopy
- CNIT (IT) – Optical interleaver for digital radar receiver
- U. Dundee (UK) – Conical refraction
- U. Strathclyde (UK) – Adaptive optics
- UMI 2958 Georgia Tech CNRS – Development of GaN based LEDs

FUTURE EVENT

The ACCORD project is scheduled to finish by February 2010 hence a final report giving details of all the projects will be held at Photonics Europe 2010.

Dates: 12 - 16 April 2010

Location: The Square Conference Centre, Brussels, Belgium

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