

ACCORD at Laser World of Photonics 2009

The ACCORD Project was present on the EPIC stand at the Laser World of Photonics International Trade Fair in the New Munich Trade Centre, Munich from 15th to 18th June.

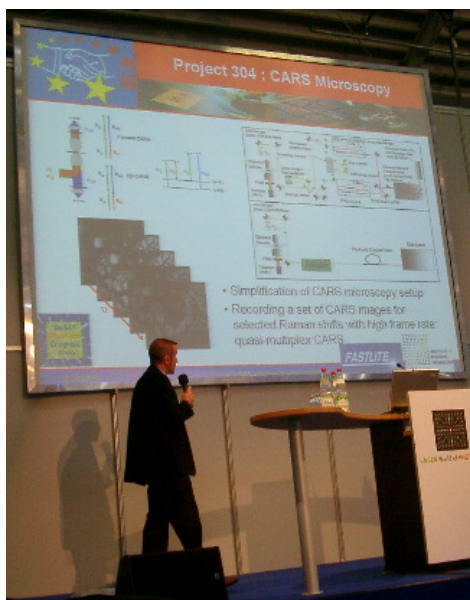
Both the Scottish Optoelectronics Association (SOA) stand on the Scottish Pavilion and the EPIC stand distributed the latest ACCORD Newsletter to visiting delegates.



ACCORD Workshop

ACCORD held a session in Exhibition Hall C1 Forum Area on Tuesday 16th June from 12.00 to 12.30 to give delegates an update on the progress of ACCORD and its projects.

ACCORD has now purchased 12 components and placed them with researchers. Several of these projects involve the application of Lasers. The session outlined three of the projects, their objectives and results to date. The three were:



- The University of Jena - 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 - researching the combination of radiation from several lasers to produce a wavelength and time multiplexed light source which can be used for gas sensing and
- The Institute of Photonics - 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.

The complete list of ACCORD projects is:

- University of St Andrews (UK) – Photoporation using fiber tips;
- Universita Polit cnica de Madrid (ES) – All fibre stripper upgrading;
- Technical University of Tampere (FIN) – Micromachining of biodegradable implants;
- University of Latvia (LV) – Adaptive optics for eye physiology studies;
- Universidad Polit cnica de Valencia (ES) – SOA and EA for novel applications;

- University of Strathclyde (UK) – Multiwavelength spectrometer for gas sensing;
- ETH Zürich (CH) – Spectroscopic imaging using femtosecond laser
- University of Jena (D) – CARS microscopy;
- CNIT (IT) – Optical interleaver for digital radar receiver;
- University of Dundee (UK) – Conical refraction;
- University of Strathclyde (UK) – Adaptive optics and
- UMI 2958 Georgia Tech CNRS (FR) – Development of GaN based LEDs.

More information on these projects can be found on the ACCORD website at:
<http://www.ist-accord.org/content/index.php?id=47&flag=1>

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