

Researcher's Night

Last Updated Tuesday, 20 September 2011

Just like in the previous years, even this year the CBIA as well as the Faculty of Informatics will participate in the European Researcher's Night.

This year, it is going to happen on 23th September 2011, from 6p.m. till midnight. You will find us at the Faculty of Informatics, see our contacts, block C (to the right from the main entrance door), the 4th floor.

Our topic is ``With pixels not only to the micro-world".

You can see and experience at us::

- a professional fully computer-controlled high-end optical microscope
- exhibited during short guided excursions
- life microscopy projection of various stuff:
 - water from the Brno Water Reservoir,
 - mechanical watches,
 - a payment card chip,
 - a cloth anti-theft chip
- hands-on experiments with several laboratory hardware:
 - shaker, pipets,
 - laboratory microscope with live specimen
- a video summarizing the whole process of specimen preparation, acquisition and image analysis:
- a work in biological laboratory
- preparation and calibration of a microscope before acquisition
- a CCD camera principle
- examples of acquired images

- examples of image data manipulation

- interactive image processing applications:
 - what's on the picture - demonstration of de-noising algorithms
 - try to correct an image - demonstration of removal of patterns

 - find object edges - demonstration of segmentation algorithms

- interactive games with biomedical topics for children:
 - the game of fifteen
 - colouring sheets
 - a vÄd-xeso
 - a puzzle

- a chat with experts in the field of cell biology and image processing
- answer a quiz, learn something new and, in the end, win something

We are looking forward to meeting you in our laboratory!