

**24-25/03/2015**

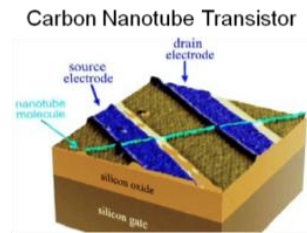
TUESDAY-WEDNESDAY



EUROTRAINING

**Nanotechnology for Electronics**CEITEC, Brno University of Technology  
Core facility, Nanofabrication and Nanocharacterization**Technická 10, Brno, 616 00**Course Chair:  
Prof. Jaromír Hubálek. Smart Nanodevices

This two-day course is part of the EuroTraining project's Train-the-Trainers task, which aim is to enrich the knowledge about nanosystems and to give support to those trainers and experts, who are interested in getting acquainted with educational tools that could be used for teaching their students.

**Program at a glance****Day 1 (24 March 2015)***Building A8, Room T8-215, Technická 10, Brno*

- 14:00–14:10 Introduction
- 14:10–15:00 Electronics, microelectronics, nanoelectronics: applications and trends
- 15:00–15:50 MEMS technology and applications
- 15:50–16:10 Coffee break
- 16:10–17:10 Electron beam lithography – instrumentation and processing
- 17:10–17:50 Enhancing biosensors with nanotechnology

**Day 2 (25 March 2015)***Building A8, Room T8-215, Technická 10, Brno*

- 9:00–9:40 Controlling spin vortex states in magnetic nanodisks by magnetic field pulses
- 9:40–10:20 Organic Electronics and Photonics: Applications and Materials
- 10:20–10:40 Coffee break

**Day 2 (25 March 2015) contd.***Building A8, Room T8-215, Technická 10, Brno*

- 10:40–11:20 Computer simulation of nanostructures
- 11:20–12:00 Controlling properties of the semiconductor quantum dots
- 12:00–12:10 Problem solving discussion
- 12:10–13:00 Lunch break
- 13:00–13:30 Introduction to the laboratory visit
- 13:30–16:00 Visit to CEITEC BUT core facilities
- 16:00–16:30 Farewell coffee with discussion and course evaluation

**Fee and registration**

The participation in the two-day course is **free** of charge. Please register by downloading and filling the registration form from the following link: [www.ett.bme.hu/eurotraining](http://www.ett.bme.hu/eurotraining) and sending it back to Zsolt Illyefalvi-Vitéz ([illye@ett.bme.hu](mailto:illye@ett.bme.hu)) or to Oliver Krammer ([krammer@ett.bme.hu](mailto:krammer@ett.bme.hu)).

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