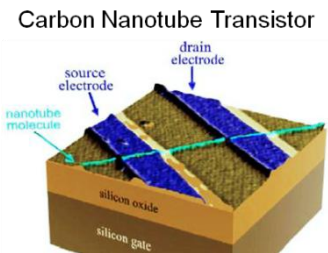


# Nanotechnology for Electronics

25-26 Sep 2014, Kosice, Slovakia, Technical University of Kosice,  
Department of Technologies in Electronics



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 (25 Sep 2014)

- 16:00–16:10 Introduction
- 16:10–16:50 Electronics, microelectronics, nanoelectronics: applications and trends
- 16:50–17:30 M-Sequence based UWB sensing systems
- 17:30–17:40 Coffee break
- 17:40–18:20 Electron beam lithography – instrumentation and processing
- 18:20–19:00 Enhancing biosensors with nanotechnology

### Day 2 (26 Sep 2014)

- 9:00–9:40 LTCC materials and their applications
- 9:40–10:20 Reliability aspects of lead-free solders applied in electronics
- 10:20–10:40 Coffee break

### Day 2 (26 Sep 2014) contd.

- 10:40–11:20 PCB design with embedded resistors
- 11:20–12:00 Preparation of BaTiO<sub>3</sub> sols for inkjet printing of thin films
- 12:00–12:30 Problem solving discussion
- 12:30–13:30 Lunch break
- 13:30–14:00 Current research results – introduction to the laboratory visit
- 14:00–15:30 Practical demonstration: Visit to the laboratories of the Department of Technologies in Electronics
- 15:30–16:00 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)).

