Training new Skills for the New Jobs in Nanoelectronics

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Introduction
In nano-era an integrated approach is needed. The interaction of innovative SMEs, universities and research organisations in the research and training actions is a key factor for strengthening the European RTD potential.

Objectives
- Analysis of labour market training needs in nanoelectronics
- Development of Web-based training courses with modular structure to be used in MSc degrees of partners’ universities

Survey results

Courses developed
Nanoscale MOS structures modelling (CIME)
Characterization of MEMS (CIME)
Bionanoelectronics (CIME)
Design of nanoscale ICs (TUS)
Nanomaterials for electronics (TUS)
Nanoscale sensing elements (POLITO)
Characterisation and use of carbon nanotubes (POLITO)
CNTs as field emitters (HEIG-VD)
Organic thin film devices (HEIG-VD)
Scanning probe microscopy in nanoelectronics (HEIG-VD)

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