

ANTITESYS' objective

The objective of the project is to address the shortage of highly skilled personnel for the European industrial segment involved in designing and manufacturing embedded systems. The project provides for a number of training initiatives, built around the Master course in embedded systems held at AlARI Institute in Lugano.

The ANTITESYS consortium

The consortium is composed by four European technical schools (Politecnico of Milan; ALARI Institute in Lugano; EPF Lausanne; Universitat Politecnica de Catalunya) and by a group of microelectronics and related companies (ST Microelectronics, Mentor Italia and TXT in Italy; INTEL in Ireland; IMEC in Belgium; INTRACOM in Greece; Infineon in Germany). They provide grants for students from candidate countries, support to joint master projects with industry, dissemination of course contents through summer schools and inhouse courses at industry's premises, set-up of a mobility scheme for students (ECTS) and of a support infrastructure for remote learning and tutoring.

ANTITESYS activities

The ANTITESYS project is centred around the master course in microelectronics held at the University of Lugano and provides for the following activities:

- (1) Support to master students coming from candidate countries through grants and help for the integration in their study and work context.
- (2) Set-up of a mobility scheme between the academic partner institutions (ECTS credits), going beyond the classical mobility of undergraduate students and allowing such students, as well as PhD students, to attend lectures by top-level experts and to interact with them in research projects.
- (3) Organisation of targeted courses for students and for employees of the partner companies, to address specific training needs. The courses are held in form of elective courses (in Lugano), summer schools (in Lugano, Lausanne, Barcelona and Athens) and in-house courses at industry's premises.
- (4) Development of applied research projects by master students. The projects are on subjects defined together with industry, students are directly tutored by industrial research experts (and work at the industry's premises), and industry owns project results, while supporting the students through grants.
- (5) Set-up of an on-line infrastructure to access training contents and allow for remote tutoring while students move around in the network and train students in remote team-work.

ANTITESYS on the web

<http://antitesys.alari.ch> provides up to date information about the evolution of project activities

<http://www.alari.ch> provides informations about the master held at USI and about the projects being developed together with ANTITESYS partners