



Thematic Network on Silicon on Insulator Technology, Devices and Circuits.
[IST-1-506653-CA]

EUROSIOI "Who is Who" Guide

Name of the organisation

<i>Organization Legal name:</i>	Universitat Autònoma de Barcelona
<i>Organization short name:</i>	UAB
<i>Internet homepage:</i>	www.uab.es

Contact person

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Other Senior Researchers: (up to 10 names, please include e-mail address)

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Experience and expertise fields: (50 words)

- (i) Simulation, modelling and reliability of sub-100 nm MOSFETs: conventional MOSFETs, multiple-gate MOSFETs, silicon nanowire transistors.
- (ii) Analysis of the dielectric breakdown of gate insulator in MOS devices under circuit operation conditions and its effect in the performance of devices and circuits.

Facilities and Equipment:

- (i) ISE-TCAD simulator
- (ii) Electron devices electrical characterization system.
- (iii) Conductive Atomic Force Microscope.

Three last international research projects:

"Nanostructure fabrication by controlled deposition of atoms (NANOFAB)".
TMR Project ERBFMRX CT97-0129.