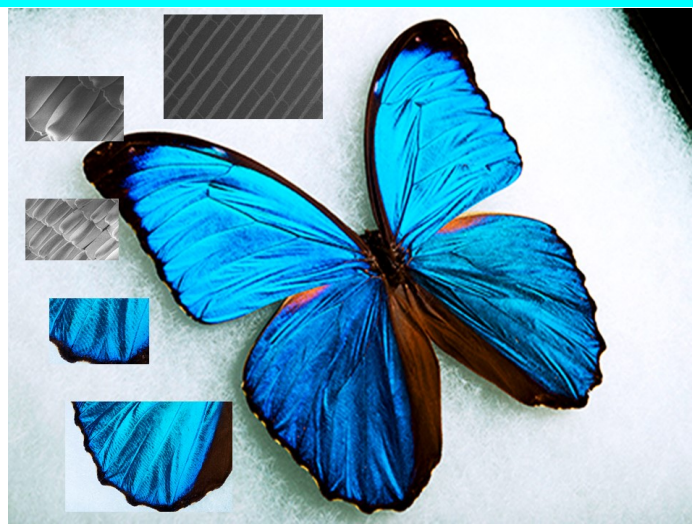

NanoICT-Lab

Contacts

Signals & Images Lab
Institute of Information Science & Technologies
ISTI-CNR, Pisa, Italy
Tel. +39 050 315 3146
Fax +39 050 315 2810
Email: si-lab@isti.cnr.it
Lab website: http://tinyurl.com/silab-pisa

ISTITUTO DI SCIENZA E TECNOLOGIE DELL'INFORMAZIONE "A. FAEDO"

NanoICT-Lab

WHat's NanoICT-lab?

NanoICT-Lab, located in the Area della Ricerca CNR in Pisa was created in 2012 by the joint action of two Institutes of the Italian National Research Council (CNR), the Institute of Structure of Matter (ISM) and the Institute of Science and Information Technologies (ISTI). The main purpose is to combine Computer Science paradigms with nanotechnologies introducing machine-learning methods and Artificial Intelligence into nanostructured devices.

NanoICT-lab's research scan from basic research to applied features, where the target is the product innovation. SME could be directly involved in jointed activity finalised to specific highly innovative products.

Smarts Materials

In the field of product innovation Lab's activities main to develop smart materials, that are materials able to interact with environment in unusual ways showing typical features of sensors and machine learning systems. Such materials are 2D and have nanoscale dimensions, that allowed to add novel functionalities to already available materials such as ceramics glass, polymers, semiconducting metals as already occur in nautical, sensors, building, medical and aerospace technologies.

From the sole molecule to innovation product

Our goal is to plan and to develop smart materials by bottom-up techniques and natural computing.

Enterprises Consultancy Service

Computer Science and Nanotechnologies could be applied a wide range of products. Products with novel functionalities can operating at nanoscale should have special effect over trademarked. For this reason, NanoICT-lab support enterprises whom have a goal creation of innovative products. We put great attention over Venture Capital and private equity to sustain research for innovative solutions.

Expertise and Technology

NanoICT_Lab expertises range from traditional IT, Physics and Chemistry to materials engineering. More NanoICT-Lab involved others laboratories with different skills that could be activated to meet particular requirements for specifics products.