2DNANOLATTICES: A research project funded by the 7th Framework Program of the European Commission –Future and Emerging Technologies (FET)

VISION

Going beyond 2020...

Search for the ideal channel for post CMOS devices which could impact future nanoelectronics

Speed & energy efficiency is at the hotspot

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PROJECT AT-A-GLANCE

2DNANOLATTICES

Six research institutions led by NCSR DEMOKRITOS, Athens receive a European grant to investigate new forms of matter organized in atom-thick 2dimensional Lattices.

Silicene - a graphene-like material does not exist in nature, but can it be engineered on suitable substrates?



NEWS & EVENTS

Press Releases

EE Times Europe - 2D
 Nanolattices project to explore Silicene as a new "fabric" for nanoelectronics

(Press Releases) 2011-06-10

Silicon is the basic semiconductor material from which modern electronics is built. However, the sam...

Read More...

 Nanotechweb: Silicene - a new "fabric" for nanoelectronics

(Press Releases) 2011-06-09

Silicene: a new "fabric" for nano-electronics made of the same raw material, silicon. Silicon is...

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NETWORKING & LINKS

2DNANOLATTICES in FET

- <u>FET Open</u>: Challenge the current thinking
 - o 2D-Nanolattices <u>facts</u> <u>sheet</u>
- FET flagships: Visionary long term initiatives
 - o Guardian Angels
 - o Graphene Flagship

Project coordinator Dr. A. Dimoulas, NCSR DEMOKRITOS









