

The MINOS LabEx (MInatec NOvel devices Scaling Laboratory of Excellence), is an alliance of Grenoble based academic laboratories from CNRS, University Grenoble Alpes, Grenoble Institute of Technology and CEA/Leti. MINOS Lab enables transfer of know how and expertise generated in its laboratories with micro and nanoelectronics industrials partners. Patents and Joint Development Programs with OEM and Suppliers along with national and international collaborations through dedicated programs, are also some of the key output of MINOS

Publications, PhD and post-docs research projects, and hiring as cross-work with other technological French platforms (RENATECH network) are the main instruments of Minos towards the development of new materials and processes in the fast moving field of silicon nanoelectronics.

In the framework of its valorization actions, the MINOS organized a Workshop at Minatec in Grenoble in March 2015 in order to highlight its latest technical results.

**The second Workshop is organized in November 2016.**

The objectives of the forthcoming Workshop are: (i) to present our latest advances in the field of FDSOI, Memory & Derivatives to industrial partners; (ii) to provide PhDs and post-docs with high-level tutorials on topics related to the development of new materials and processes for nanoelectronics; (iii) to promote technology transfer, mainly towards Start-ups, thanks to the technological know-how built-up by our alliance.

## logistics

The program will run over 2 days, with a light agenda to leave enough time for networking and informal discussions between participants and institutions.

Presentations will be in English.

The registration fees are € 320 HT; they include participation in the sessions and meals.

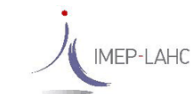
Attendance will be open free of charge for PhDs Students, on the basis of first come, first registered.

Note that a next extra day will host a 1-day "2D materials" session with LabEx Lanef and a 1-day formation session on "Fundamentals of Plasma Processing (Etching and Deposition)" with Plasma-Therm, industrial company. These sessions will be free of charge for everyone, on the basis of first come, first registered.

**Registration are open at:**  
<http://www.labex-minos.com>

# Workshop LabEx Minos

Nov. 21<sup>st</sup> & 22<sup>nd</sup> 2016  
Grenoble



### **Sessions scheduled: Invited talks and Tutorials**

- Manufacturing and economy of Silicon microelectronics
- Thin bodies challenges and associated roadmaps
- CoolCube® and options
- NanoWires: horizontally stacked and vertical
- Last developments in Memories and neuromorphics networks
- Silicon process technology at the limits of materials
- Nanotechnologies tools for neurosciences

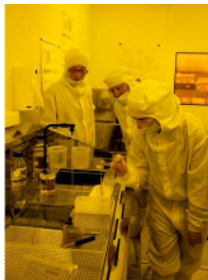
### **Common session with LabEx "Lanef" on "2D-materials" supported by the "Nanosciences Fondation" of Grenoble**

- Wednesday, November 23<sup>rd</sup>, 2016

### **Formation session with Plasma-Therm on "Fundamentals of Plasma Processing (Etching and Deposition)"**

- Wednesday, November 23<sup>rd</sup>, 2016

**Contributions:** Highlights of studies performed within the Minos LabEx.



*from formation to industrial Clean Rooms*



### **Workshop organizing committee**

#### ***director:***

Olivier Joubert, CNRS-LTM

#### ***scientific committee:***

Olivier Demoliens, CEA/Leti  
Thomas Ernst, CEA/Leti  
G rard Ghibaudo, Grenoble INP/IMEP  
Franz Bruckert, Grenoble INP/LMGP  
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