

International cooperation



An unique shared expertise

Alcatel-Lucent Bell Labs, Thales and CEA-Leti have announced that CEA's Leti Institute has joined III-V Lab. This new partnership will be able to combine III-V and silicon semi-conductor technologies, thus paving the way for new and more dynamic research possibilities. It is built around the respective expertise of the three participants, in the fields of silicon, microelectronics and heterogeneous integration.

As one of the world's leading micro- and nano-technology research centers, Leti boosts the capacity of III-V Lab, which was set up in 2004 by Alcatel and Thales, and which has already led to the rapid development of a common platform designed for dual optoelectronic-microelectronic technology for the markets served by the two Groups: telecommunications, space, defense and security among others. Leti will allow a substantial expansion of the scope of applications targeted by the laboratory, by combining its expertise of silicon, microelectronics and microsystems, and its know-how in the field of heterogeneous integration.

In focusing on practical applications for the combined potential offered by semiconductors and silicon, III-V Lab will in particular be concentrating on four main areas of research: integrated photonic circuits, high-power, hyper frequency microelectronics, the new generation of compact gas sensors and thermal and near infrared imaging.



CEA's contribution to the European Energy Research Alliance

On April 11 and 12 last, in Brussels, the European Energy Research Alliance held its first conference. The purpose of the event was to conduct an initial review of the progress made by the joint programs launched by EERA in 2010, concerning wind, geothermal and photovoltaic energies and smart networks.

Two new joint programs for concentrated solar power and marine energy will be launched in November 2011. A number of major European political personalities expressed their support for the alliance as a key part of the SET Plan and the joint programming between the European Union and the Member States.

Hervé Bernard, Deputy Chairman of CEA, presented the changes to the way in which energy research is structured in France. The French national alliance for energy research coordination (Ancre) was created in 2009 along the same lines as EERA in Europe and seeks to enhance coordination by French public and private energy research players, by encouraging partnerships and synergy.

CEA has a pivotal role within EERA, as a founding member, member of the Executive Committee and member of the Secretariat.



WiN Europe launched

On February 13th, 2011 Women in Nuclear (WiN) Europe was officially launched in Brussels at the opening of the annual PIME Congress organized by the European Nuclear Society (ENS).

The WiN Europe association, registered as a legal entity under French law, has been created in Budapest on October 2nd 2010, by 9 European countries and organizations: Finland, France, Germany, Hungary, Romania, Slovenia, Sweden, Switzerland and WiN IAEA. Since then, Bulgaria and Spain have joined WiN Europe.

WiN Europe gathers together women professionals working in applied fields of nuclear techniques and sciences (energy, medicine, biology, art, agriculture and spatial exploration).

WiN Europe has for objectives to:

- Communicate with the public, and particularly with young people and women;
- Be a network, exchanging and sharing experiences and best practices;
- Provide its collective competence and expertise to the actors of the sector;



- Establish partnerships or cooperation, agreements with major European institutions, nuclear bodies, training and educational institutions and with other European networks;

- Contribute to the renewal and development of human resources for the future and to the promotion of diversity and gender balance within the European nuclear community.

 contact@win-europe.org