

## CeBIT 2010: The Carnot institutes, the French gateway to innovation

Paris Wednesday February 10th

The Carnot institutes network will represent the French partnership research in the information and communication technologic fields at the CeBIT 2010 that takes place in Hanover, Germany from March 2<sup>nd</sup> through 6<sup>th</sup> 2010. Not less than 10 Carnot institutes will represent the Carnot Alliance “Information and Communication Technologies – Micro and Nano Technologies” (ICT-MNT) this year. They will, in particular, propose demonstrations of technologic innovations, some carried out with the Fraunhofer institutes, around four topics: helping people, smart systems, security and diagnosis, energy and environment.

The vocation of the TIC-MNT alliance of the Carnot institutes is to coordinate and structure the partnership research offer of its network in the field. It will be present at CeBIT 2010. Hall 9, stand B09. This event, which brings together the corpus of the ICT applications field is acknowledged as one of the biggest exhibitions worldwide.

Demos will take place at the Carnot Institutes’ stand during the exhibition:

- **Topic « Helping people »**

- *Magneto inertial Geolocation or how to get rid of GPS constraints.* Demo by Carnot institute M.I.N.E.S / Sysnav.
- *Demoloc a body diagnosis help solution for firemen using localization devices placed on their bodies.* Demo by Carnot institute CEA LETI / EADS / 3D+.
- *Navigation assistance: Angeo™, the guardian angel for blind and partially sighted people.* Demo by Carnot institute LAAS / Navocap.
- *The 3μP project: a microfluidic demonstrator for health diagnostic applications.* Demo by FEMTO-Innovation Carnot institute and Fraunhofer IZM, IZI institutes.

- **Topic « Smart systems »**

- *The new man-machine interfaces: Cubtile.* Demo by the LSI Carnot institute and Immersion. *Interactive multipoint screen.* Demo by UT Carnot institute and Tactineo.
- *Conscious textiles Morphosense an instrument measuring shapes, lines and surfaces in space.* Demo by CEA LETI Carnot institute
- *Toïmiva a lamp that « breathes » and changes colour when handled.* Demo by CEA LETI Carnot institute.
- *Diabolo: the integrated circuit becomes weavable.* Demo by CEA LETI Carnot institute.

- *Flying a drone with a camera from an iPhone.* Demo by M.I.N.E.S Carnot institute, Sysnav and Parrot.
  - *The TOTEM project: easy creation of mobile mixed reality games that generate pervasive gaming experiences.* Demo by TELECOM-EURECOM Carnot institute and FIT Fraunhofer institute.
- **Topic « Safety and Diagnosis »:**
- *Cable diagnosis or how to identify and diagnose a complex wiring failure from a distant location.* Demo by CEA LIST Carnot institute / Delphi.
  - *Capturing internet attacker behaviors using « Honeypots ».* Demo by LAAS Carnot institute.
- **Topic « Energy and environment »:**
- *Kelvin Alim: a simplified urban information point that uses finger heat as energy.* Demo by CEA LETI Carnot institute.

The important attendance of the Carnot institutes at CeBIT 2010 translates their voluntarist endeavor of meeting the firms/companies and their strategy of developing technologies preparing tomorrow's innovations.

*Alain Duprey, Carnot institutes' CEO claimed « This important participation of the Carnot institutes at CeBIT 2010 illustrates our commitment regarding the development of technologic research for companies; a commitment that we share with the Fraunhofer institutes. The information and communication technologies are one of the six cooperation research fields of both of our organizations in technologic research to bring tomorrow's innovations and favor the competitiveness of the European industry ».*

More information on CeBIT 2010 at [www.cebit.de](http://www.cebit.de)

The Carnot institutes attending the **CeBIT 2010** : CEA LETI, CEA LIST, LAAS, TELECOM EURECOM, C3S, LSI, FEMTO-Innovation, ESP, M.I.N.E.S, UT.

About the Carnot institutes network

The Carnot institutes network, led by the Association of Carnot institutes, is made up of 33 institutes regrouping 13000 research professionals who have committed themselves to develop research partnerships with companies guaranteeing listening, professionalism and to always enhance technology transfer.

This multidisciplinary network brings responses to the major socioeconomic challenges mobilizing 6 main fields of competences (ICT, micro and nanotechnologies – materials, mechanics and procedures – energy and environment, propulsion, chemistry – Building, civil engineering and town planning – Life sciences)

It falls into the framework of the state support strategy for both the economic fabric and the companies. Its vocation is to develop the research results and technologic breakthroughs

allowing companies to integrate innovations that ensure a competitive advantage in their services and products offer.

Its mission:

- To carry out a proactive and voluntarist action in order to develop partnership research, an R&D activity led with companies in response to their needs;
- To enhance the knowledge and technologies transfer geared towards companies.

**More info on :** [www.instituts-carnot.eu](http://www.instituts-carnot.eu)

**News contact**

Association des instituts Carnot  
Diane VINET  
01 44 06 09 05  
diane.vinet@aicarnot.fr

Aromates Relations Publiques  
Benoît CHAMONTIN  
01 46 99 10 89  
bchamontin@aromates.fr