

## APTEinfos: European Innovation and Global Knowledge and Cooperation

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APTEinfo informs you regularly on projects and events in the areas of technology, marketing, corporate financing and networking. This service is based on communications contributed by members and partners of the APTE Association, a global knowledge and cooperation network: [z@apte.net](mailto:z@apte.net)  
 Mad about MEMS

New Growth For Semiconductor Industry: an overview of markets, current and future applications of MEMS by the member of the APTE Association-Valerie Thompson. Unaxis Chip: [http://apte.net/unaxis/chip/2\\_1\\_FutureMEMS.pdf](http://apte.net/unaxis/chip/2_1_FutureMEMS.pdf)

### New network

Network for International Development and Cooperation (NIDECO) at the Swiss Federal Institute of Technology ETH: <http://www.nideco.ethz.ch>; <http://www.ethlife.ethz.ch/articles/tages/nideco.html>

### What is new

keep updated on recent news, activities and events: <http://apte.net/#whatsnew>

### New newsletter

APTE has launched a new newsletter APTEinfo "Medical Devices" to provide information on projects and events in the areas of medical and biotechnology, health care, genetics, pharmaceuticals etc. You are welcome to sign up for APTEinfo "Medical Devices" via e-mail [medical@apte.net](mailto:medical@apte.net)

### Nano & Bio

Green Goo: Nanotechnology Comes Alive! The first and greatest impact of nano-scale technologies may come with the merger of nanotech and biotech - a newly recognized discipline called nanobiotechnology. While Gray Goo has grabbed the headlines, self-replicating nanobots are not yet possible. The more likely future scenario is that the merger of living and non-living matter will result in hybrid organisms and products that end up behaving in unpredictable and uncontrollable ways - get ready for "Green Goo!" <http://www.etcgroup.org/article.asp?newsid=373>

### The Economic Forum on Sensors

March 28, 2003, Technopark Zurich. This one-day Forum provides a unique opportunity for those involved in the emergent field of sensor technology! It will bring together entrepreneurs, key researchers and business specialists. Emphasis will be placed on each step along the technology development and commercialization path with an impact analysis: <http://www.sensorix.com> & <http://www.c-cit.ch>

### Nanotechnologies in France

Les nanotechnologies ont besoin d'un véritable soutien de l'Etat. Dans un rapport, l'Office parlementaire d'évaluation des choix scientifiques et technologiques juge "trop timide" l'appui public à la recherche sur l'infiniment petit. Sans noter de graves retards, le texte souligne le volontarisme américain en la matière et engage la France à s'en inspirer. Le Monde: <http://apte.net/0089>

## NanoDays 2003 Houston, Texas (USA) October 13-14, 2003

NanoDays 2003, CBEN's second annual conference, will be held October 13-14, 2003 in Houston, Texas. Please contact Kevin Ausman ([ausman@rice.edu](mailto:ausman@rice.edu)) or watch this web site for more information. (<http://www.ruf.rice.edu/~cben/NanoEnviHealth.shtml>)

### About CBEN

The Center for Biological and Environmental Nanotechnology (CBEN) is a National Science Foundation (NSF) funded Nanoscale Science and Engineering Center (NSEC) at Rice University. Aiming to transform nanoscience into a field with the impact of a modern-day polymer science, CBEN focuses on research at the interface between "dry" nanomaterials and aqueous media such as biology and the environment, developing the nanoscience workforce of the future, and transferring discoveries to industry.

## NANOTECHNOLOGY in CONSTRUCTION Paisley, Scotland, 23<sup>rd</sup> - 25<sup>th</sup> June 2003

1<sup>st</sup> International Symposium on NANOTECHNOLOGY in CONSTRUCTION hosted by The Scottish Centre for Nanotechnology in Construction Materials (NANOCOM) University of Paisley, Paisley, Scotland, 23<sup>rd</sup> - 25<sup>th</sup> June 2003.

Following the introduction of first generation nano-indentation equipment (for studying interfacial bond and micro-fracture mechanisms in cementitious composites) to Paisley in 1994, research here progressed and in September 2000 the Scottish Centre for Nanotechnology in Construction Materials was established under the auspices of the Advanced Concrete and Masonry Centre (ACM Centre) by a research development grant from SHEFC. The NANOCOM centre aims to act as a centre of excellence in Scotland for application and exploitation of recent advances in nanotechnology to enhance fundamental knowledge and practical performance of both basic and new construction materials.

## European Science and Technology Week 03 - 09 November 2003

### Science Week mission - a quest for knowledge

Through thought-provoking activities and a pan-European approach, the European Science and Technology Week's mission is to create a totally new perspective on science. The emphasis is on showing, rather than telling, Europeans how science and technology affects them, from the simplest gadgets to the most sophisticated satellite technology. Science is above all a quest for knowledge and how it can be used to improve our lives, lifestyles, and our living world.

### Having fun with science

But Science Week is more than a 'quest for knowledge', it is also about having fun. What has happened to the thrill of discovery? Do we take technology for granted? These are some of the questions we need to ask in order to shape future science education and, ultimately, policy. Science is all around us - in our mobile phones, in our homes, in the engines that drive our cars - and yet we seem to be no longer amazed, hardly interested and sometimes not even aware of it.

### Where's the 'wow' factor?

Science Week wants to put the 'wow' factor back into science and technology, stimulating interest in scientific research, no matter how simple (or complex) it may be. And young people are the perfect place to begin. If young minds can't be stimulated by the wonders going on around them, what hope is there? Where are tomorrow's scientists and inventors? Science Week wants to bring the challenges and excitement of the world of science to young people - and the young at heart - around Europe. In so doing, it hopes to rekindle scientific education, and to provide a beacon for the future of science and technology in Europe and beyond.

