



editorial

With this second newsletter, the Micro & Nanotechnologies sector group is proud to present its latest activities. The group is very active thanks to its members and the connections they are creating. The group meets regularly and each meeting brings new successes.

The Enterprise Europe Network services have a strong focus on SMEs to guide them towards transnational partnership or technology transfer.

Wherever you are located, whatever your activity is, you can gain benefits from this network covering more than 50 countries.

Are you seeking a novel technology or know-how, do you have patented new products, are you looking for partners to access International markets? We can surely help you. Don't hesitate to use our services!

Rim H.M. Stroeks
Chairman

summary

**REGIONAL FOCUS:
LOMBARDY**

**SG MNT ACTIONS @
MICRONORA FAIR**

**EUROPEAN
OPPORTUNITIES**

UPCOMING EVENTS

LOMBARDY: DISCOVERING NANO AND MICRO TECH

The role of nanotechnology as fundamental driver for technological innovation and growth is widely recognized also in Italy and has attracted in the past years increasing attention and commitment, both within public research institutions and private enterprises. Lombardia remains the region with the highest number of structures and people involved in nanotech R&D.



In this context Innovhub – SSi, special agency of Milan Chamber of Commerce, last May organized a Brokerage Event and a Seminar on FP7 opportunities with a focus on NMP. The events were held in Fieramilano, at the occasion of the Technology Exhibition Week (four exhibitions with a common "leitmotiv": technology).

The first day, during the seminar, updates and information on the last FP7 calls (published last July) were discussed between the NMP National Contact Point, two evaluators of NMP FP7 projects and the audience.

On the second day the Brokerage Event - a first edition in these exhibitions with a special focus - had 34 participants from 10 different countries, with a strong participation of research institutions. 62% of the meetings were international. The feedbacks from the participants were very positive.



The Micro & Nano sector group brought his support to the organization of the brokerage event and met on this occasion.

MICRONORA 2012 - CONNECTING SMEs AND CLUSTERS

The latest meeting of sector group took place on 26th of Sep. with FEMTO-ST, French Micro & Nano Institute. On the occasion of Micronora, multiple networking actions organized by Enterprise Europe Network were offered to companies, research labs and clusters:

8th Micro & Nano brokerage event: 110 participants registered from 10 countries, 360 meetings planned (68 % of the meetings transnational) – outcomes soon available on www.micro-nano-event.eu



International Clusters Workshop organised by ALPS4EU in cooperation with the Enterprise Europe Network and the sector group.

Participation in µTech Tour organized by Pôle des Microtechniques in synergy with MicroTEC Südwest, MINALOGIC (Grenoble – France) and MICRONARC (Swiss). The 4 clusters have decided to cooperate. Their members presented their respective activities to get to know each other better.

MicroTEC Südwest, located in Baden-Württemberg, is a winner of the German Leading-Edge Cluster, Competition launched by the Federal Ministry of Education & Research. The cluster in the field of microsystems technology (MST) brings together over 1,200 researchers from more than 350 companies, organizations, universities and research institutes. MicroTec Südwest was exhibitor on Pôle des Microtechniques booth, his French equivalent.

The Micro & Nano sector group has launched a map of the Micro & Nano European clusters. A catalog is under preparation. Contact: Jaroslav SOBOTKA sobotka@bic.cz.

MICRO & NANO SG SUCCESS-STORIES

Partnership Agreement (Greece – Serbia)

Network for Exchange of Scientific Content in Biological Sciences and Nano: building the consortium

A Greek software development company and a research laboratory of a Serbian University, expert in nano-materials modeling, entered into a consortium agreement in order to submit a project proposal under the sixth call of the CIP ICT Programme. Praxi/HELP-FORWARD Network and University of Belgrade, both members of the Micro & Nano Sector Group, actively contributed to this partnership agreement by matching the two partners' profiles and facilitating a direct contact between them.

Technological Partnership Agreement (France – Switzerland)

The French company DIXI Microtechniques has been assisted to find partners by Enterprise Europe Network consultant at CCIR de Franche-Comté (ARIST department). Thanks to a technology request posted in the Network, several potential suppliers of technological solutions have been identified, among them HE-Arc recommended by the Swiss partner (Alliance – EPFL). Four years later, they are still cooperating and the French company expects an increase of its manufacturing capacity thanks to the integration of an innovative solution.

A Dutch company receives the Micron d'Or at Micronora (Netherlands-France)

Xpress, a Dutch company, client of Syntens, Enterprise Europe Network partner in Netherlands has been Micron D'Or rewarded for its trinano machine. Xpress participated in the brokerage event at Micronora 2008 with the support provided by Rim Stroeks. The company came back as exhibitor on the Nano pavilion and participated again in the brokerage event. Rim Stroeks and Anne-Marie VIEUX, both members of the Micro & Nano sector group, contributed to this success with organization of several fruitful missions (Franche-Comté-Eindhoven or Eindhoven-Franche-Comté).

EUROPEAN OPPORTUNITIES

Technology request

Nanoceramic coating for brass parts by electrolytic process

A French company is looking for nano-ceramic coating or similar surface treatment for brass parts to be used by electrolytic process. The company is interested in technical cooperation with partners able to provide new but validated technologies. 12 FR 32j2 3PCP

Technology offer

New smart window device with controlled light transmission based on low cost technology for applications in interior or exterior façade in architecture and decoration

A Spanish organization offers a device capable of controlling the amount of light passing through a window (smart windows), giving the desired privacy instantly or acting as a protector against solar radiation. Its operation can be activated with a remote controller and can be applied in intelligent buildings as windows or doors, as office partition panels, sliding doors, light regulatory elements or protection against light, information display screens... Its easy preparation and high photostability result in low manufacturing costs and the possibility of using the invention in both, indoor or exterior façade. Industrial partners interested in a patent license for the exploitation of the technology are sought.

The network promotes innovative technology offers and help companies to find technological solutions.

UPCOMING EVENTS

The Enterprise Europe Network supports events enabling companies or research institutes to engage fruitful partnerships during trade-fairs or conferences. Our sector group selects specialized events linked to Micro & Nanotechnologies.

12th Symposium Magnetoresistive Sensors and Magnetic Systems WETZLAR – Germany



From 19th to 20th March 2013 the 12th Symposium “Magnetoresistive Sensors and Magnetic Systems” will take place in **Wetzlar** (Germany). Current developments, trends and research results of magnetoresistive (MR) sensor technology, as well as interesting new applications or manufacturing methods are presented and discussed by technical experts from industry and research. Today’s fields of application are e.g. automotive and medical technology, industrial automation, material testing, consumer electronics, renewable energy, air craft and space. MR sensors measure electrical currents, rotation speed and angle, linear movement and position as well as magnetic field. Advantages of MR sensors are robustness, miniaturisation and high accuracy. They are reliable, precise and can be developed cost-effectively and in very high volumes in the range of millions of pieces per year.

More information and registration: gerber@innomag.org

Precision 2013, Namur, 6-7 March 2013

PRECISION 2013 is Wallonia’s only showcase for high precision technologies and microtechnologies. Designed to meet the advanced needs of high value-added industrial activities, PRECISION 2013 will present an extensive range of innovative and cutting-edge technological applications.

From research and development through to production, maintenance, subcontracting and quality assurance: PRECISION 2013 caters to all the relevant technical departments, enabling trade visitors to quickly find the solutions most suitable to their purposes.

This is the only trade show in Wallonia focused entirely on the vanguard of precision technologies, microtechnologies and nanotechnologies, as well as ultra-high-tech knowledge and skills.

More info on www.easyfairs.com/precision-be

High Tech Systems, Eindhoven, 23th to 25th April 2012

What do the following companies have in common? Philips, Unilever, SHELL, AKZO-NOBEL, TOMTOM, AHOLD, ASML, Heineken, DSM, OCÉ? They are or started as Dutch companies and gained global importance. This kind of high-tech industry needs a very strong base of highly professional and specialized suppliers to home such important OEM-companies! For the upcoming decade it is expected that the Dutch high-tech industry will double in size and therefore the Dutch government strongly focuses on the international branding of Holland High Tech Industry.

The first edition of the High Tech Systems 2013 – International Conference and Exhibition on Mechatronics and Precision Technology is going to take place in April 2013. The fair and conference will be held in the heart of the Dutch high-tech industry, the town of Eindhoven on the historic former Philips premises which oozes technological heritage.

More information: www.hightechsystems.nl

This newsletter is an initiative of the Micro & Nano sector group.

Chair of the group: Rim Stroeks, Syntens, Netherlands –

Vice chair: Mehmet Kirca, Turkey –

Communication : Anne-Marie Vieux, CCIR de Franche-Comté and Melissa Machecler, CCI Essonne, France.

Visit the Micro & Nano sector group page on the Enterprise Europe Network website to get the name and contact details of the closer member in your country. :

<http://www.enterprise-europe-network.ec.europa.eu/about/sector-groups/nano-microtechnologies>

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