



### *editorial*

Please allow me to tell you something about an interesting initiative that shows us how nanotechnology could and possibly will change our lives in the decades to come: [the NanoSupermarket!](#) Maybe you visited them at last years' EuroNanoForum in Riga. Their shelves are stocked with nanoproducts that could become available in the market between now and, let's say, the next 10 years. The presented products are innovative, useful and wonderful, but sometimes strange or even frightening. But always technological feasible. Like the condom that does not prevent you from getting pregnant but that uses membrane technology to 'filter the right genes'. Use the pink condom if you want to be pregnant with a girl, the blue one for having a boy! Or the wine that contains millions of nanocapsules which can be activated by microwaves. Inactivated capsules move unnoticed through the body while the opened capsules alter the taste, smell and color of the wine. 15 sec at 180 watts will release the vanilla capsules and bring you in a Australian mood. 45 sec at 300 watts will serve you a Syrah. And for a Merlot you do not have to operate the microwave at all. Technologically speaking this could all be possible. But the real question is, do we want it? And that is exactly what the NanoSupermarket initiative intents to do: promote public debate and discussion! Enjoy your groceries...

**Rim H.M. Stroeks**

### *summary*

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## 2015 ACHIEVEMENTS

The Micro & Nano sector group counts 21 members from different countries. The group organised 28 brokerage events or company missions with 440 participants that generated in 1238 transnational B2B meetings. 22 partnerships agreements involving at least two different members have been declared in 2015 as a direct result of the past activities.

## GOING INTERNATIONAL



Since five years, Opticsvalley has organized two company missions with the CCI Essonne, member of Enterprise Europe Network and more specifically with Melissa MACHECLER, member of the Micro & Nano sector group.

“We have brought together industrial companies from Paris region in the Netherlands (Utrecht, Nieuwegein and Eindhoven) in 2012 and in Germany (Berlin) in 2014.

The aims of these missions are to create technological and business partnerships and/or opportunities for our members involved in optics and photonics.

For each company mission, the CCI Essonne and the Enterprise Europe Network local partner brought us strong support in BtoB meetings organization between companies, research centers, start-ups. They gave to companies crucial information about how to access local markets in these high tech sectors.

Each time, thanks to this cooperation, we could provide qualified partners that have perfectly matched with our industrial members' expectations. The CCI Essonne also supports us in technological and business partner searches and in opportunities to access to fundings such as H2020, Eurostars.

So we will renew this cooperation at the end of this year by organizing a third company mission in Finland during “Forest and photonics” event on the 25<sup>th</sup> and 26<sup>th</sup> of October 2016 in Koli.”

Fiona GERENTE, Opticsvalley, International Project Manager

## WORKING WITH THE IPR HELPDESK

Anne-Marie VIEUX, CCI Franche-Comté, member of the SG MNT, was invited at the IPR Helpdesk stakeholders meeting in Bruxelles on 29th of February and 1st of March. The meeting gathered the 3 IPR Helpdesks in Europe, Latin America and South Asia. She explained how the Enterprise Europe Network members could bring valuable services to local SMEs with the support of the IPR Helpdesk notably when they enter into research partnerships in the framework of European funded projects.

The European IPR Helpdesk offers free of charge, first line support on IP and IPR matters to beneficiaries of EU funded research projects and EU SMEs involved in transnational partnership agreements, especially within the Enterprise Europe Network.

<https://www.iprhelpdesk.eu/>



## MERCOSUR NANOCONFERENCE

The Micro & Nanotechnologies sector group was invited to participate in the NanoMercoSur in Buenos Aires last year. The NanoMercoSur is an important conference and fair focused on nanotechnology for South America organised by the active and cooperation minded Fundacion Argentina de Nanotecnologia.

The sector group was asked to present their approach on international partnersearch and matchmaking for nanotechnology.

Rim Stroeks, the SG chair, was interviewed on this topic. His interview can be found here:

<https://www.youtube.com/watch?v=M0grxAR6UqQ>

## TECHNOLOGY OFFERS

**Safe microencapsulation technology for cosmetics, health, food, nutraceuticals, paper, chemistry and other applications related**

A French SME offers a new and 100 % safe encapsulation technology for oily products. This technology is based on a patented process to prepare microspheres from agro-based shell material. Pilot scale production has been already done and scale-up procedures are available. Cooperation with industry is sought : licensing, commercial agreement with technical assistance, research or technical cooperation agreement to further explore new solutions.

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### **Elemental, pure and doped boron nano-powders**

Italian researchers have developed a method suitable for the industrial production of nano-sized boron powders, optionally homogeneously doped, with improved properties and better performance than commercially available ones. They are looking for industrial partners interested in commercial agreement with technical assistance or in licensing agreement.

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## TECHNOLOGY REQUEST

**Looking for particle sizing nanotechnology company**

A Greek SME is working on a simulation tool for particle sizing regarding nanomaterials. The company is looking for an SME with similar expertise to provide information and experimental results in order to compare them with the simulation results. The Greek company is looking for technical cooperation agreement.

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## KEY ENABLING TECHNOLOGIES

Europe's industry is facing challenges in a context of global competition. To address these challenges, the European Commission has defined several areas where research investments must be targeted as nanotechnologies, advanced materials and advanced manufacturing in order to boost competitiveness, create jobs and support growth.

Technological centers active in the area of KET's can help SMEs to speed up the commercialization of their innovation ideas. In that objective, a map is accessible on-line to detect these centers that have been selected according to a set of capacity and quality criteria:

<https://ec.europa.eu/growth/tools-databases/kets-tools/kets-ti-inventory/map>

## KET'S EVENT IN MAINZ 12 MAY 2016



The last Ket's event (Key Enabling Technologies) took place on 1<sup>st</sup> of October in Strasbourg (France). Organised by CCIR Alsace in the framework of Enterprise Europe Network and the French-German National Contact Points, it was a success with 1000 meetings. The next event is taking place on 12<sup>th</sup> of May 2016 in Mainz (Germany). These events are the perfect place to meet partners and build consortia for submitting H2020 proposals. Plenary session, workshops and B2B meetings are combined to maximize networking effect. The event will be followed by a company mission in Mainz on 13<sup>th</sup> of May 2016.

On this occasion, the Micro & Nano Sector Group held its internal meeting and a meeting with the Materials and the BioChemtech sectors groups.

## UPCOMING EVENTS

### TAIWAN'S COMPUTER

As an outcome of the in 2015 signed Letter of Intent with Silicon Europe Alliance, the SG MNT was asked to work closely together with them on the topic of building bridges for the European micro- and nano-electronics industry towards Taiwan and the US. As a first joint effort a European company mission will take place to Taiwan's Computex in the first week of June. The Computex is the world's largest IT fair, covering the whole supply chain from consumer electronics to IoT application.

The European participants are offered free access to the fair and the conference program. Besides an 1on1 business matchmaking, pitching for Taiwanese high tech clusters, also company visits are offered and the participation in workshops and seminars on 5G, nano-electronics, smart health, smart mobility and smart industry. More information and how to register can be found on :

<http://www.b2match.eu/eu-taiwan-2016>

### CENTRAL NANO

CENTRAL NANO will be held in Brno where is located the largest Czech research centre dealing with nanotechnologies – CEITEC ([www.ceitec.eu](http://www.ceitec.eu)). One-day event will include presentation on recent funding opportunities (such as H2020, SME Instrument, Eureka, Eurostars 2), B2B matchmaking and CEITEC visit. The Czech NCP for NMP in H2020 and the Czech NPC for Eureka/Eurostars are invited to attend. More information about the programme : [www.centralnano.talkb2b.net](http://www.centralnano.talkb2b.net)

### 10<sup>th</sup> Micro-Nano-Event at Micronora fair



The event is going to take place in Besançon (France) on 29<sup>th</sup> and 30<sup>th</sup> of September 2016 on the occasion of the XXIth Micronora fair.

Registrations are now open:

<http://www.micro-nano-event.eu/registration>

This year, the brokerage event focuses on advanced materials, micro and nanosystems, smart manufacturing. A new cooperation has been engaged with the cluster Plastipolis and participants will have possibility to join the Smart Plastics Congress.

### Save the date: SEMICON Europa 2016



In 2016, Semicon Europa will take place in Grenoble (France) on October 25 – 27. This year the exhibition will particularly focus on industry needs which are one of the main challenges in the microelectronics sector.

A brokerage event will also be organised at the same time. It will be a great opportunity to network and build partnerships

<http://www.semiconeuropa.org>

**Chair of the group:** Rim Stroeks, Syntens, Netherlands – **Vice chair:** Jaroslav SOBOTKA, Czech Republic – **Communication :** Anne-Marie Vieux, CCI Franche-Comté ; Melissa ADOU MACHECLER, CCI Essonne

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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