



Letter from the Commission

The European Commission has set the ambitious goal to re-industrialise Europe and to raise industry's share of the GDP to 20% by 2020. Innovation in cross-cutting applications of advanced materials, for example in the transportation, health care, energy and consumer goods sectors provides an opportunity for Europe to reindustrialise and secure jobs. One of the key objectives of MATCH is to enable the connections between the scientific creativity represented by the academia and the European enterprises, focusing on market needs.

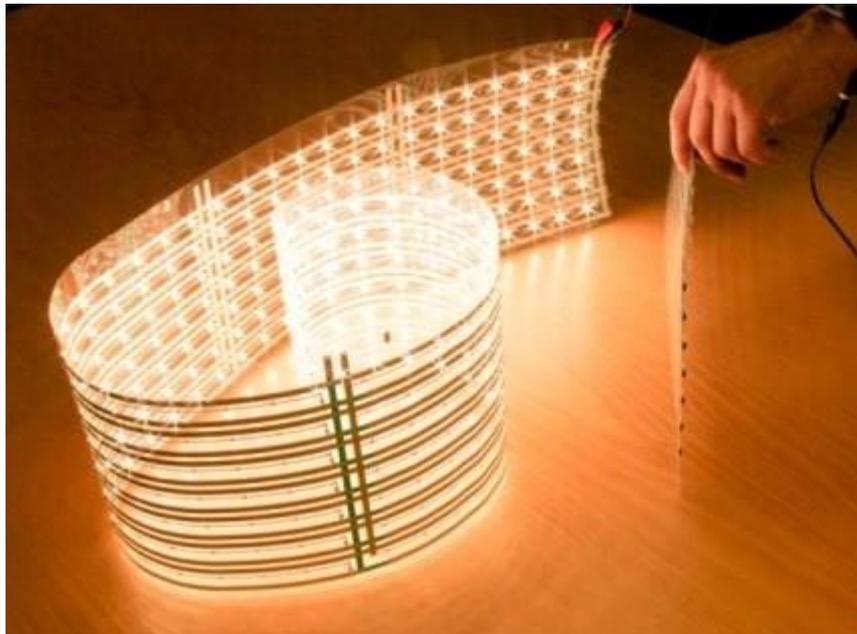
Another important objective of MATCH is to promote the alignment of national and European materials research policies and funding. This is why we welcome the MATCH initiative with the goal to create a single interactive and informative platform for the international materials research community.

We trust that you will find the MATCH newsletter informative and will actively utilize and contribute to it!

Jyrki Suominen, Deputy Head of the Advanced Materials and Nanotechnologies, DG RTD, EC



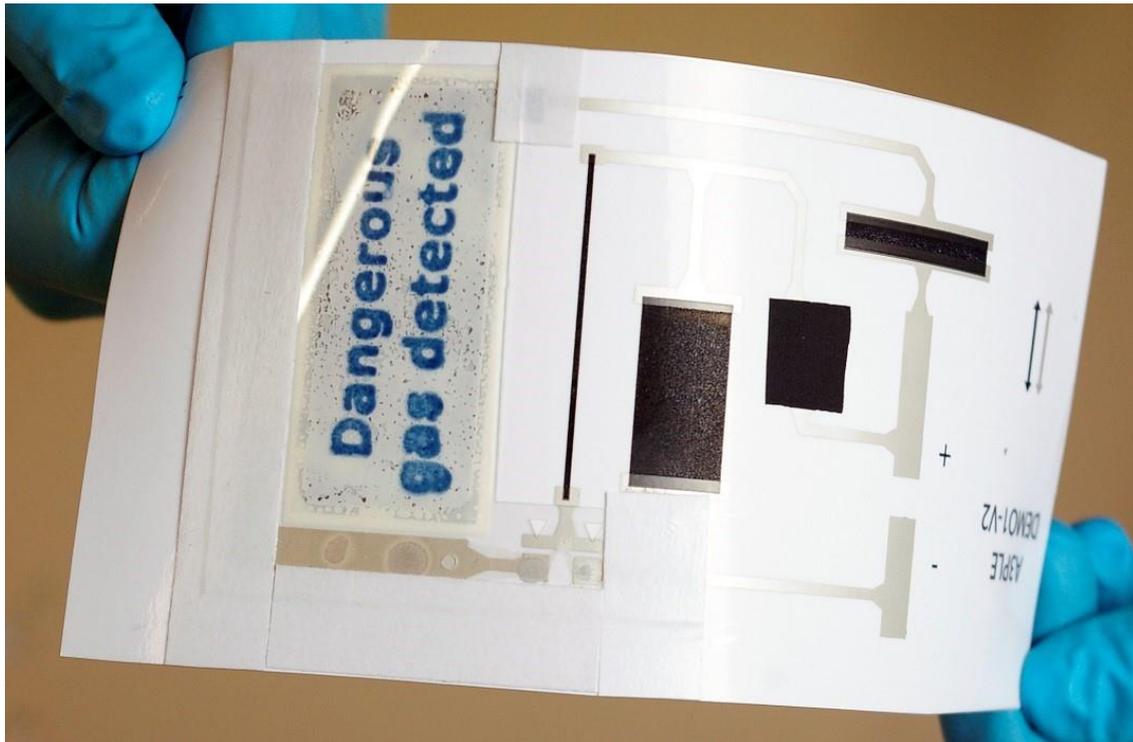
Technology in focus: Printed intelligence



Printed intelligence in Finland

Printed intelligence in Finland focuses on cost and energy efficient roll-to-roll manufacturing, advanced scalable materials and creation of new business. The key is to combine materials and processing know-how with applications such as smart packaging, diagnostics, organic electronics, organic light emitting diodes (OLEDs), lighting and solar cells. These provide important enablers for the critical needs of flexible and organic electronics – already today.

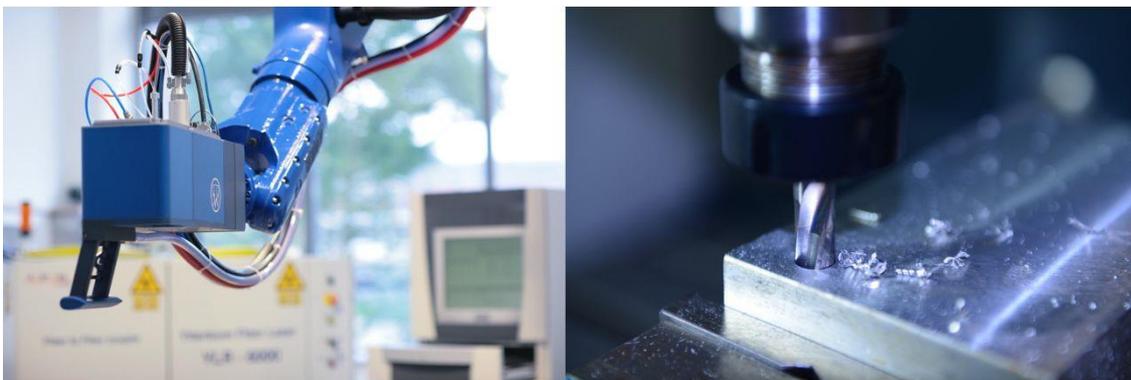
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Paper electronics: The Science and Technology written in Portuguese

In 2008 the CENIMAT/I3N and UNINOVA/CEMOP, under the coordination of professors R. Martins and E. Fortunato, demonstrated the possibility to produce electronic devices where paper could be, besides the substrate, an active component, combined with the use of oxide semiconductors, away from traditional silicon. At that time the discovery was deeply disseminated by mass media worldwide and even today you can find hundreds of thousands of followers of this concept (Google E. Fortunato or paper transistor).

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Two new rapid prototyping projects funded by the German Ministry of Education and Research started on the first of May

“**LightFlex**” project is focused on small range manufacturing. Laser-Rapid-Prototyping will be combined with laser-assisted winding and tape laying to improve the flexibility in production and the geometric complexity within the reduction of the production costs.

“**PräziGen**” project is focused on development of a generative production procedure for carbide metal tools. The near netshape process need to fulfill the high quality standards for cutting tools.

[Read more on BMBF](#)



IUMRS Global Leadership and Service Award

A4M was among the first that supported the International Union of Materials Research Society (IUMRS) initiative. The IUMRS initiative awards professionals internationally for their outstanding leadership and services within the field of Materials and Nanotechnologies.

This year the recipients for this award were the founder and Secretary General of E-MRS, Prof. P. Siffert. During his career, he has promoted materials word wide. Another recipient for the award was the Prof. M. Roco, the promoter of the ESF-USA, launched in the area of Nanotechnologies and Advanced Materials. Mr. C. Tokamanis received the award for services provided to the Materials community in the field of nanotechnologies. We would like to highlight his strong involvement in launching the Nanofuture Initiative, among others.

The event took place at Hotel Thon, Brussels on 23rd February 2015. Carlos Moedas, Commissionaire of Research and Innovation, chaired the event. The event was organized with the endorsement of the EP parliament with the help of MP Carlos Zorrinho.

[Check out the video of the award here](#)

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ASTER – Manufacturing Renaissance Area – Maker focus

The ongoing fourth industrial revolution, constituted by digital manufacturing, new frontiers of ICT and a set of dynamics and instruments deriving from the encounter of new technologies, internet and creativity, will leverage on the wide horizon formed by new potentials of a “new manufacturing”, increasingly specialized and focused on evolved pool of competencies.

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EuroNanoForum 2015

EuroNanoForum 2015

June 10-12, 2015, Riga, Latvia

The event is a meeting point for industry, science and policy. Strengthening European competitiveness and supporting its re-industrialisation, it showcases innovation as driver for economic growth, presents new technologies arising from nanotechnologies and advanced materials, and discusses the new applications and commercialisation potential for these technologies.

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The 7th International Conference NANOCON 2015

October 14-16, 2015, Brno, Czech Republic

The conference is focused on nanomaterials, their properties, characteristics and applications in different areas, including biotechnology and medicine. Plenary lectures will be given by Prof. Dr. Louis E. Brus from the Columbia University (U.S.A.), the discoverer of the quantum dots and Prof. Dr. Patrick Schmuki from the University of Erlangen.



MANUFACTURING PERFORMANCE DAYS

Manufacturing Performance Days 2015

June 8-10, 2015, Tampere, Finland

Manufacturing Performance Days is executive and visionary seminar for manufacturing industries, researchers and technology and service providers worldwide. This highly appreciated event will bring together internationally recognised experts and academia to discuss and represent industrial best practices and operational excellence, novel business concepts as well as scientific and technological breakthroughs in the field.

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Materials Weekend in Warsaw

September 19-20, 2015, Warsaw, Poland

“Materials Weekend” is planned to demonstrate the strength of the European community of materials scientists and engineers within the “Common House of Materials”, an initiative of the Alliance for Materials (A4M). Representatives from industry

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and academia will discuss with politicians the topic “Materials for Europe”, and how to strengthen the competitiveness of the European industry. Several further activities will attract particularly young scientists: Young scientists from Europe are invited to present their original scientific results in a 2-days workshop, and materials scientists with high reputation in the community will provide six tutorials. The “Festival of Science”, already a tradition for the Warsaw community, will be officially opened at Warsaw University of Technology on September 19.

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Editorial board members



The MATCH project was initiated to strengthen and deepen the Alliance4Materials strategy with a further increased stakeholder network. The project is coordinated by Italian Centro Sviluppo Materiali and the

whole consortium consists of 18 partners from nine countries representing the six related European Technology Platforms and several major European material research organisations.

The project started in January 2015 and will continue for 30 months until June 2017. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 646031. [Read more](#)