

Dear Reader,

Welcome to the final newsletter of the FP7 NANOSENS project!

This newsletter presents the project progress made during the last one and a half years. In particular, you will learn about several important events hosted by the coordinator, NIRDTP:

- Strategic Workshop
- 3rd Dissemination Workshop
- Innovation Workshop
- Final project meeting

**The FP7 NANOSENS team wishes you
Happy reading!**

Consortium Partners

COORDINATOR



National Institute of Research and
Development for Technical Physics
Romania
www.phys-iasi.ro



Sheffield Centre for Advanced Magnetic
Materials and Devices within the
Department of Engineering Materials,
University of Sheffield, UK
www.magnetics.group.shef.ac.uk



Department of Materials for Information
Technologies in the Instituto de Ciencia
de Materiales de Madrid, Spain
www.icmm.csic.es



Instituto de Engenharia de Sistemas e
Computadores para os Microsistemas e
as Nanotecnologias (INESC MN),
Portugal
www.inesc-mn.pt



Institut Català
de Nanociència
i Nanotecnologia
Nanobioelectronics & Biosensors Group
in the Institut Català de Nanotecnologia,
Barcelona, Spain
www.icn.cat



Solid State Physics group within the
Department of Physics and Astronomy,
University of Glasgow, UK
www.gla.ac.uk/schools/physics/



Materials Science Electron Microscopy
Department at the University of Ulm,
Germany
www.uni-ulm.de/en/einrichtungen/



NANOSENS Strategic Workshop in Sept 2016

In September 2016, the NANOSENS team organised the Strategic Workshop dedicated to materials science, microsensors for engineering and medical applications and biosensors.



The event was held on 20-21 September 2016 in National Institute of R&D for Technical Physics, Iasi, Romania. More than 20 scientists from Romania and other EU countries attended the workshop.



During two days, a number of presentations have been delivered by Romanian scientists from NIRDTP and top research and innovation institutions from the country, Iasi Chamber of Commerce (Romania), as well as by NANOSENS twinning partners from University of Glasgow (UK), ICMC-CSIC (Spain) and ICN, University of Catalonia (Spain). In particular, the latest developments and identification of key research and innovation topics in materials science, microsensors for engineering and medical applications and biosensors have been discussed.

Third Dissemination Workshop

On the 22 April 2016, NIRDTP hosted the 3rd NANOSSENS dissemination workshop in Iasi, Romania.

The event was attended by 30 participants from three companies, two research and academic institutions, as well as a representative of the National Authority for Scientific Research and Innovation (Regional office in Iasi).

After the welcome address of Dr. Nicoleta Lupu (NIRDTP General Director) and Prof. Horia Chiriac (NANOSSENS Project Coordinator), guest speakers introduced their research activities and achievements.

The afternoon session was dedicated to the presentations given by young researchers from NIRDTP on micro-and nanostructured materials, simulation of magnetization processes and of magnetic anisotropy in rapidly quenched glass-coated microwires,

techniques for the preparation of powders and nanopowders at NIRDTP, Iasi, and finally on the use of magnetic nanoparticles in medicine, more specifically the interaction of nanoparticles with the human mesenchymal and stem cells.



Innovation Workshop

On 16-18 May 2016, the NANOSSENS Innovation Workshop was held at NIRDTP, Iasi, Romania.

The workshop was composed of 3 sessions:

- Increasing the use of research results and protect innovation (including technology domains, product and service design techniques, innovation management from the conceptual stage of research);
- Innovation, legal and administrative aspects of commercialisation; and
- The environment for innovation, including creation of innovative businesses, innovative clusters, technology transfer support, creativity techniques.

Among the speakers were Prof. Sorin Mircea AXINTE, President of Romanian Association for Innovation, Prof. Alexandru MARIN, Director of Technology Transfer Office, University Politehnica of Bucharest, and Dr. Alexandru Cristian ŞTRENC, former Director of the State Office for Inventions and Trademarks (OSIM), Bucharest.



The event was attended by 48 participants from host organization, and other research institutions, such as Technical University of Iasi, University of Agricultural Sciences and Veterinary Medicine of Iasi, etc. The speakers made important contributions to raising awareness of the issues related to innovation and Intellectual Property Rights (IPR).

NANOSENS final project meeting

The final meeting of the FP7 NANOSENS project was held on 24-25 November 2016 at NIRDTP, Iasi, Romania. The meeting was attended by external evaluators appointed by the EC.

The first day of the meeting was dedicated to discussions on fine-tuning of the evaluation report, in particular updating the SWOT analysis for NIRDTP. The report was finalised during the morning of the second day.



The meeting ended with a round-table discussion of the project results.

About the project:

NANOSENS aims to upgrade the research and innovation capacity of NIRDTP to the highest European level in microsensors for medical applications and biosensors based on magnetic nanoparticles and nanowires. It is a support action funded by the European Commission under the Capacities area - Research Potential of Convergence Regions theme of the 7th Framework Programme (FP7).



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