

EUROPEAN CENTRE FOR NANOSTRUCTURED POLYMERS SCARL – ECNP

Loc Pentima Bassa, 21, 05100, Terni, **ITALY**

Telephone: 0744 492939

Fax: 0744 492934

E-mail: kenny@unipg.it

Web site: www.ecnp.eu.org

Contact: Prof. José M. Kenny (President of the Board)

At a Glance

Status: Private Research Center

Turnover: 500.000 € (100%)

Number of employees, r&d personnel: 10 (10)

Year of establishment: 2006

Main Activity

The European Centre for Nanostructured Polymers (ECNP) has been generated by the 12 core partners of the European Network of Excellence NANOFUN-POLY with the main objective of coordinating, integrating, promoting and performing activities of research, dissemination, education, training and technology transfer related to polymer nanotechnologies. Founder partners are: INSTM (Florence-Italy) through the University of Perugia, SICOMP (Sweden), IPF (Dresden-Germany), INSAVALOR (Lyon-France), INASMET (San Sebastian, Spain), FORTH (Patras, Greece), Lodz Polytechnic (Poland), University of Utrecht (NL), Institute of Macromolecules (Prague, Czech R.), CSIC (Spain) and UMBRIA INNOVAZIONE (Italy)

The principal activities of the ECNP are:

- To promote the organisation, management and execution of research and training activities in the areas of nanostructured polymers and composites;
- To promote and develop activities connected to the technological transfer of polymeric products and processes related to the industrial sector;
- Knowledge management in the specific area of polymer nanotechnology.

The ECNP is devoted to the study of processing-structure-property relationships of nanostructured polymers and polymeric nanocomposites for bulk applications and coatings surface treatments; applying advanced scientific tools including polymer chemistry, processing, advanced characterization and Life Cycle Analysis.

ECNP has already three subsidiary locations in Terni (Italy), Alessandria (Italy) and Lyon (France). The opening of nNew locations, hosted by the ECNP members, is planned for 2009.

ECNP is already active in several European projects and organizes and Annual Conference on Nanostructured Polymers and Nanocomposites. The next one will be held in Paris (France) on April 15-17, 2009.

Company Strengths

NETWORKING: ECNP is a consortium of 12 European research centres and is networked with other 24 research centres worldwide and with an Industrial Council of more than 40 companies working in the field of polymeric materials.

Moreover ECNP is an active research centre of the Umbria Technological District with active programs with the main industries in the region.

R&D: Expertise on hyperbranched polymers, polymer nanocomposites, nanocomposites with carbon nanoobjects (nanotubes, nanofibres, graphenes), nanostructured coatings, flexible organic materials for electronics (including sensors and photovoltaic applications), advanced processing routes including reactive extrusion, advanced physicochemical characterization of nanostructured polymers and nanocomposites including rheology.

EXPERTISE: Training, Knowledge management

Sector

NANOTECHNOLOGY

- Nanomaterials & Chemistry
 - Organic
 - Composites
 - Coatings/Thin films
 - Fibres
 - nanocomposites, nanotubes, nanofibres, graphenes
- Nanobiotechnology
- Transport & aerospace
- Textile
- Fundamental research

Type of Cooperation

- ACTIVATION OF NEW PROJECTS (R&DT)
- TECHNOLOGY TRANSFER OR PRODUCTION LICENSING

Partnership Proposal

- Organization, management and execution of European Research Projects (FP7)
- R&D on nanostructured polymers and nanocomposites for different industrial applications: packaging, textiles, flame retardant materials, tissue engineering, aerospace, naval, car, appliances.