

The Industrial Training will take place in the frame of the 7. FP EU project "ECNP-GROWTH".

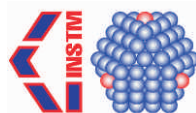


**ECNP-GROWTH** addresses the consolidation of the ECNP and is currently operating in coordinating research, dissemination and technology transfer activities among its partners. This support action intends to consolidate ECNP offering a realistic financial plan to expand the current activities by ensuring coverage of industrial technologies research and transfer relevant to the main application sectors addressed by ECNP: Manufacturing (Polymer Nanocomposites), Energy (Flexible Photovoltaics), Healthcare (Biomaterials) and ensuring the extended participation of relevant industrial partners. It is expected that this support action will improve coordination in research and innovation on polymer nanotechnologies and will generate a more robust critical mass of the durable integrated structure of ECNP, leading to a better structuring of the European Research Area (ERA).  
[www.ecnp-growth.org](http://www.ecnp-growth.org)



The **European Centre for Nanostructured Polymers** (ECNP) is a non-profit, limited liability, Consortium Company formed by the "Nanostructured and Functional Polymer-Based Materials and Nanocomposites (Nanofun-Poly)" European Network of Excellence (European Commission, Directorate General Research, 6th Framework Programme, NoE). The high scientific level of quotaholders and the large scientific/industrial network make ECNP a unique organization in the field of nanostructured polymers. ECNP is focused on the continuation of the four main activities of the NoE: a joint research road map, a joint educational programme, a joint infrastructure and joint technology transfer services in the specific field of multifunctional nanostructured polymers and nanocomposites.  
[www.ecnp-eu.org](http://www.ecnp-eu.org)

**PARTNERS:** CSIC, Spain - Spanish National Research Council // FORTH/ICE-HT, Greece Foundation for Research and Technology Hellas, Institute of Chemical Engineering and High-Temperature Chemical Processes, Greece // TECNALIA, Spain // IMC, Czech Republic Institute of Macromolecular Chemistry of the ASCR // INSA VALOR, France // INSTM, Italy - Italian Interuniversity Consortium on Materials Science and Technology // IPF, Germany - Leibniz Institute of Polymer Research Dresden // STEP, Holland - Foundation Transition, Energy and Processes // Swerea SICOMP, Sweden - Swedish Institute of Composites // Technical University of Lodz, Poland // Umbria Innovazione, Italy



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# Industrial Training

Process-controlled development of new and improved polymer materials

15.-16. September 2014  
Dresden



Leibniz-Institut für Polymerforschung Dresden e. V.



## Monday, September 15<sup>th</sup>, 2014

9:00-10:30

**Training Session 1: "Tailored Fibre Placement (TFP)-Technology as base for high performance fiber reinforced composites"**

Development and manufacturing of textile carbon fiber heating structures  
(Christian Kohser, Qpoint GmbH, Dresden)

From Idea to Market: A novel process software for fiber placement  
(Axel Spickenheuer, CFS GmbH, Dresden)

10:30-11:00 Coffee Break

11:00-12:00

**Training Session 2: "High performance polymer-compounds"**

Chemical modification of PTFE for high performance polymer-compounds  
(Federico Rosenbaum, perfluorence GmbH, Dresden)

12:00-13:00 Lunch

13:00-14:30

**Training Session 3: Leibniz Application Laboratory "Multifunctional Polymer Materials"**

Functional Elastomeric Nanocomposites  
(Klaus-Werner Stöckelhuber, IPF Dresden)

Functional Thermoplastic Nanocomposites  
(Uwe Gohs, IPF Dresden)

14:30-15:00 Coffee Break

15:00-17:00 Visits to the respective labs

## Tuesday, September 16<sup>th</sup>, 2014

9:00-10:30

**Training Session 4: "Rheology and simulation of filled polymers"**

Rheology of (micro and nano) filled polymers: thermoplastics and reactive - thermosets  
(Jean-Francois Gerard, INSA Lyon)

Computer simulations of non-equilibrium phenomena and complex polymer systems with cooperative dynamics. Static and dynamic behavior  
(Krzysztof Halagan, TU Łódź)

10:30-11:00 Coffee Break

11:00-12:00

**Training Session 5/1: "Functional Materials"**

Carbon-based nanocomposites for electromagnetic applications  
(Francesca Nanni, INSTM - Research Unit of Rome "Tor Vergata", Rome)

12:00-13:00 Lunch

13:00-14:00

**Training Session 5/2: "Functional Materials"**

Functional polymeric materials for flexible printable electronics  
(Jiri Pflieger, IMC Prague)

14:00-14:30 Coffee Break

14:30-17:30 Brokerage Event Horizon 2020

Bringing industry and academia together for potential EU proposals  
(José M. Kenny, ECNP)  
Open for all participants of industrial training and ECNP conference

## Venue

Leibniz-Institut für Polymerforschung  
Dresden e.V. (IPF Dresden)  
Hohe Str. 6  
01069 Dresden  
www.ipfdd.de



## Registration and Payment

at [www.ecnp-eu.org](http://www.ecnp-eu.org)

registration fees:

EUR 200 standard, EUR 50 students  
one day ticket possible  
(incl. training materials and subsistence)  
For a better service  
**please register before July 20th 2014.**

## Hotel

[www.ecnp-eu.org/dresden2014/accommodation.php](http://www.ecnp-eu.org/dresden2014/accommodation.php)

**Pay attention to:**

**8<sup>th</sup> ECNP International Conference  
on Nanostructured Polymers and  
Nanocomposites  
will take place from  
2014, September 16<sup>th</sup> to 19<sup>th</sup>**

**further information at:  
[www.ecnp-eu.org/dresden.php](http://www.ecnp-eu.org/dresden.php)**