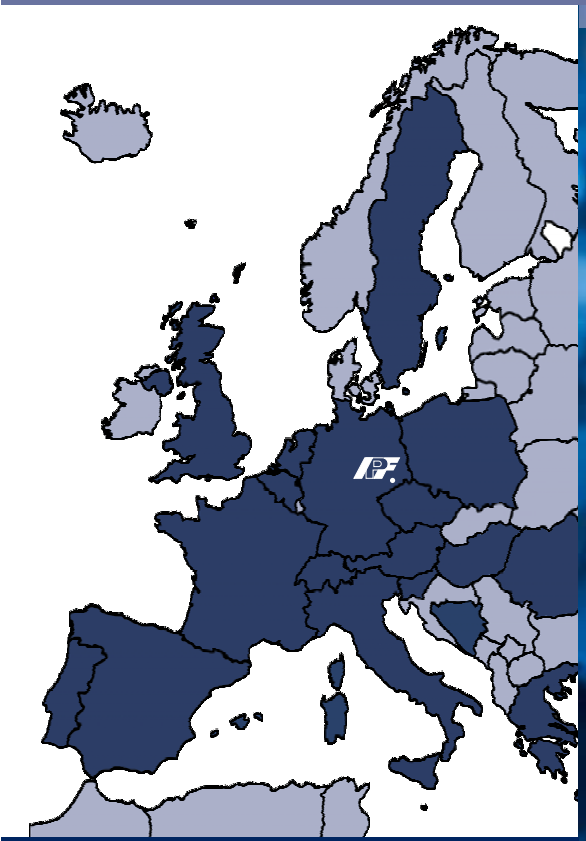

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Polymer Research

Fascination. Innovation.

research partner in

EU projects

The Leibniz-Institut für Polymerforschung Dresden e.V. (Leibniz Institute of Polymer Research Dresden, IPF), as one of the largest polymer research facilities in Germany, participates in different European research projects and aspires to cooperate as partner and as coordinator with other research institutions, universities, industry, SMEs across Europe.
IPF has experienced personnel, a well implemented management structure and intensely working transfer networks to handle EU projects.

As an institute of the Leibniz Association, the IPF is committed to carrying out application-oriented fundamental research and receives its basic funding in equal parts from the federal and state governments.

The approach is holistic, covering synthesis and modification of polymer materials, their characterization and theoretical investigation, up to processing and testing. A special feature of the institute's activities is the close cooperation of scientists and engineers and a broad range of modern instruments and methods are available including pilot plants allowing material and technology development under industry-relevant conditions.

The topics dealt with at the institute are highly future-oriented. They include development of materials, technologies, and systems which are crucial to guarantee the strength of Germany's economy also in future and to ensure both quality of living and sustainability. The polymer materials address innovations for further development in, e. g., medicine, transport and mobility, as well as energy efficiency and advanced communication technologies.

7th Framework Programme

POCO

Carbon Nanotube Confinement Strategies to Develop Novel Polymer Matrix Composites
- large-scale integrating project, NMP 2007
- innovative polymer composites filled with CNTs
- products for the aerospace, automotive, building , windpower, shipbuilding and biomedical industry

www.poco-project.org
contact: Prof. Dr. Manfred Stamm
mail: stamm@ipfdd.de

ANGIOSCAFF

Angiogenesis-inducing Bioactive & Bio-responsive Scaffolds in Tissue Engineering
- large-scale integrating project, NMP 2007
- functionalized and injectable biomaterials
- bioresorbable, highly porous scaffolds

www.angioscaff.eu
contact: Prof. Dr. Carsten Werner
mail: werner@ipfdd.de

GENIS Lab

The Gender in Science and Technology Lab
- support action, SiS 2010
- idea of gender mainstreaming in science
- synergy among six European scientific organisations and three technical partners

www.genislab-fp7.eu
contact: Prof. Dr. Brigitte Voit
mail: voit@ipfdd.de

EMBROIDERY

Development of energy efficient/ lightweight composite parts & tooling based on TFP technology/self heating technology
- research for the benefit of SMEs 2010
- design of textile preform for high performance lightweight composite parts

www.embroidery-project.eu
contact: Dipl.-Ing. Axel Spickenheuer
mail: spickenheuer@ipfdd.de

NEPHROTOOLS

The potential of human kidney stem/ progenitor cells use in drug discovery and regenerative programme
- Marie Curie Action, ITN 2011
- multidisciplinary training for 15 young scientists

www.nephrotools.com
contact: Prof. Dr. Carsten Werner
mail: werner@ipfdd.de

ECNP-GROWTH

Consolidation of the European Centre for Nanostructured Polymers
- coordination action, NMP 2011
- technological transfer of products & processes

www.ecnp.eu.org
contact: Prof. Dr. Brigitte Voit
mail: voit@ipfdd.de

6th Framework Programme

NANOFUN-POLY

Nanostructured and functional polymer-based materials and nanocomposites (NoE)
establishment of European Centre for Nanostructured Polymers (ECNP) in 2006
contact: **Prof. Dr. Brigitte Voit**
mail: voit@ipfdd.de

FLARETPOL

Development of an innovative, cost-effective technology to produce halogen-free, high-perfomance flame retarded polyolefins (STREP)
contact: **Prof. Dr. Udo Wagenknecht**
mail: wagenknt@ipfdd.de

AMBIO

Advanced nanostructured surfaces for the control of biofouling (IP)
contact: **Prof. Dr. Carsten Werner**
mail: werner@ipfdd.de

INTELTEX

Intelligent multireactive textiles integrating nano-filler based CPC-fibres (IP), incorporating CNTs
contact: **Dr. Petra Pötschke**
mail: poe@ipfdd.de

KidStem

Developing a stem cell based therapy to replace nephrons lost through reflux nephropathy (MCA-RTN)
contact: **Prof. Dr. Carsten Werner**
mail: werner@ipfdd.de

MULTIHYBRIDS

Innovative sensor-based processing technology of nanostructures multifunctional hybrids and composites (IP)
contact: **Dr. Dieter Fischer**
mail: fisch@ipfdd.de

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Dept. Analytics

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