

Polymer Research and Applikation

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POLYKUM e.V.

EU AutoOptics ShortCourse Schedule

Wernigerode, 30.05.2007

POLYKUM e.V.

Promotion Alliance for
Polymer Development
and Polymer Technology
in Mitteldeutschland

Structure of members

67 Members

- *41 companies*
- *16 university and nonuniversity institutes*
- *4 networks*
- *5 private persons*
- *1 research society*

companies: 8 polymer manufacturing, polymer modification
 33 polymer processing –
 Sachsen-Anhalt
 Sachsen
 Thüringen

Focus of Interest (interview)

Generation of Contacts

- winning of new customers
- winning of new partners for cooperation
- direct link between SME's and scientific institutes
- exchange of experiences of scientific and economic political areas

Focus of Interest (interview)

Demand on Information

- Which institute is concerned with which problem?
- Which measurement and testing methods are where available?
- What is possible at the Fraunhofer Pilot Plant Centre and how can I use it?

Focus of Interest (interview)

Organisation of the cluster

- Interstate problem orientated projects
- Strengthening and development of the present networks expansion to Mitteldeutschland

Policies of public financial funding

- Organisation of interstate project funding
- Technical consultancy of state governments in funding questions

Aims, Tasks and Services of POLYKUM

- Generation of contacts between the members
- Contacts, contacts, contacts
- Promote cooperation on the chain of economic value addition from special designed polymers via processing technologies to new products
- Cooperation between scientific institutes and companies of Mitteldeutschland, Aim: Innovations
- contacts to accredited analytical laboratories in the region for quality management and certification
- Assistance for the provision of information

Aims, Tasks and Services of POLYKUM

- Collaboration with institutions of further educations in polymer processing for the qualification of specialised staff
- Supply contacts for questions of public financial funding
- Collaboration with technical networks, chemistry parks and centres for technology and business development
- Intervention for the use of the possibilities of the Fraunhofer Pilot Plant Centre in Schkopau

Aims, Tasks and Services of POLYKUM

- Analysis of the demand for cooperation in R&D
 - generation of new projects and cluster
- Preparation of a information catalogue of working areas of scientific institutes in the field of polymer research and application
- Preparation of a catalogue of the existing technologies for testing and analysis

Aims, Tasks and Services of POLYKUM

- Generation of an internet based communication basis for the polymer network
- Lobbying for SME in associations
- Connection to other polymer networks
- Support for investors and start ups

Workshops

– the best way for Knowledge and technology transfer and also for contacts

Selection of Workshops:

„public financial funding for R&D”

„the use of nano composites – status quo of industrial development“

„conductive polymers“

„fibre reinforced thermoplastic polymers“

„possibilities of the increase of toughness for thermoplastic polymers “

„materials for biomedical applications“

„comparison of soot, silicates, layer silicates for thermoplastic elastomers“

„Substitution of glass fibres by regenerate fibres of cellulose“

„wood plastic composites“

Cooperations with Expert Networks and Institutions

- One aim since the beginning of POLYKUM -

- Fördergemeinschaft für das KUZ Leipzig
- AMZ/K (Sachsen)
- PolymerMat e.V. (Thüringen)
- KuBra e.V. (Brandenburg)
- MAHREG (Sachsen-Anhalt)

Cooperations with Expert Networks and Institutions

- One aim since the beginning of POLYKUM -

- AMZ (Thüringen) – automotive supplier
- NinA e. V. – use of natural fibers
- Organic technological materials (polymere of rye)
- CeChemNet (Chemistry Parks)
- TGZ - MITZ

Cooperations



Strategy:

- training and education
- initiation and moderation of pilot and cooperation projects, development of a cooperation platform
- public relation
- collaboration with other networks

Sub network FEKM

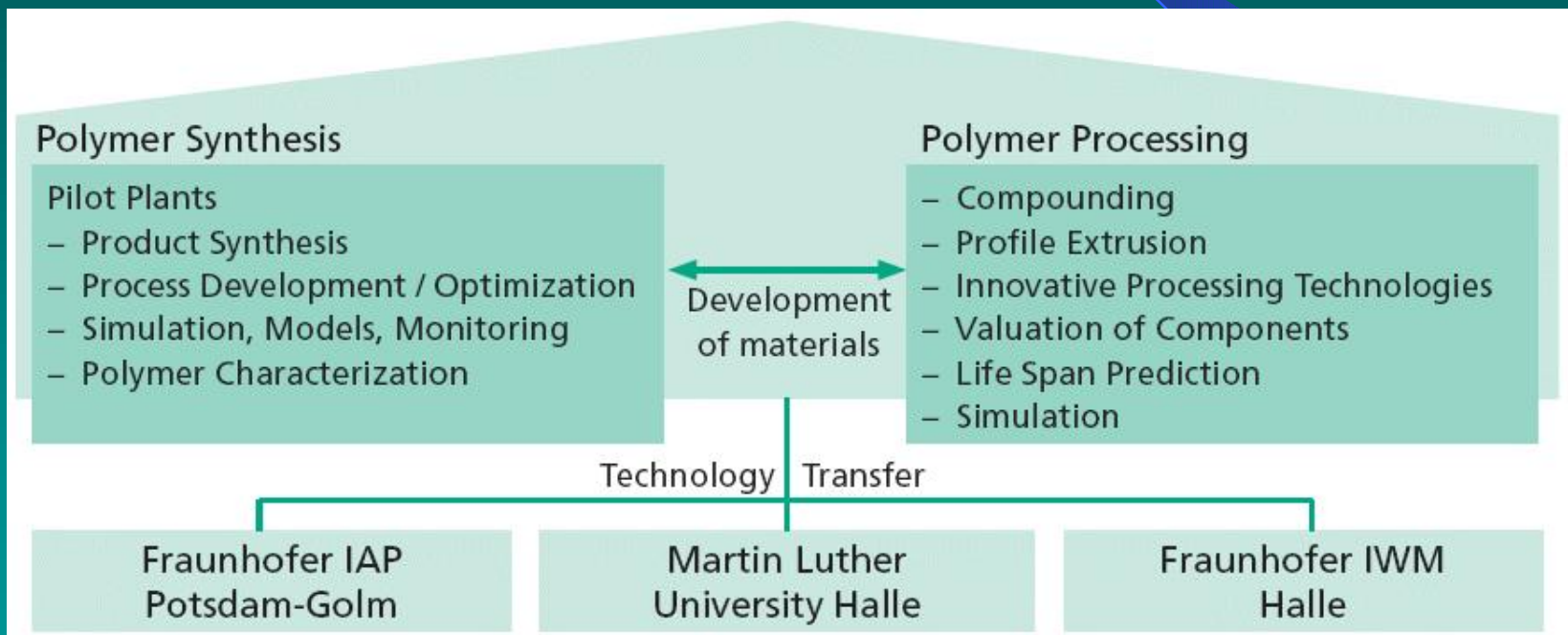
research and development in polymer
technology Mitteldeutschland

- FILK, IWM/H, IMA, IPF, IPW, KUZ, TITK



Cooperation of nonuniversity
research institutes

Fraunhofer Pilot Plant Centre for Polymer Synthesis and Processing



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Fraunhofer Pilot Plant Centre for Polymer Synthesis and Processing



Polymerization Pilot Plant

Fraunhofer Pilot Plant Centre for Polymer Synthesis and Processing



Fraunhofer Pilot Plant Centre for Polymer Synthesis and Processing



Thank you for your attention

More information:

www.polykum.de