

# Fraunhofer-Institut für Werkzeugmaschinen und Umformtechnik

## Fraunhofer-Kunststoffzentrum Oberlausitz



### GENERAL INFORMATION

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URL	<a href="http://www.iwu.fraunhofer.de">http://www.iwu.fraunhofer.de</a>
Year of foundation	1991
type of organisation	research organisation
Aim/role with respect to the transfer process	

Die wesentlichen Forschungsschwerpunkte sind sowohl die Erarbeitung wettbewerbsfähiger Bauweisenkonzepte mit hoher Funktionsintegration zur Reduktion aufwendiger Montageprozesse als auch die Entwicklung wirtschaftlicher, ressourceneffizienter Leichtbautechnologien auf Basis der generativen Fertigung und Verarbeitung textilverstärkter Kunststoffe. Im Fokus steht der Transfer von Know-how in die Region durch FuE-Kooperationen mit Unternehmen der Oberlausitz sowie der grenznahen Gebiete in Tschechien und Polen.

The main research is put on the developme competitive construction concepts with a integration of functions to reduce comple ssembly processes and the development of nomical, resource-efficient technologie lightweight constructions on the basis of a erative assembly and processin fabric-reinf plastic materials. The transfer of know-hov the region through R&D cooperations with e prises of the Upper Lusatia and the border r of the Czech Republic and Poland is the mai jective of the organisation.

### Main area with respect to the key topics

Angewandte Forschung	Applied Resaerch
main contact person for transfer	Dr. Martin Kausch/ Prof. Sebastian Scholz
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## OFFERED SERVICES

### services in terms of the identification and description of innovative and economically applicable ideas

- identification of current research results in research institutions, universities (e.g. using technology scouting)
- foster scientists in the description of the exploitable idea, focussed on its application in enterprises
- technology assessment according to technical, legal and economical aspects, such as technology maturity level, patentability, standard conformity, necessary licensing procedures)

### services in terms of the dissemination of innovative and economically applicable ideas

#### *publish and disseminate*

- portfolio of patents: own patents and patents of research institutions, universities

#### *publication modes and media*

- various print media
- data-bases, online platforms, websites introducing innovative ideas
- newsletters/RSS
- brokerage events (events bringing together developers and potential users)/ meetings introducing economically applicable research results

### services to bring together parties that could be relevant for the application of new ideas and technologies

- implementation of visits in research institutes or enterprises
- implementation of meetings, workshops, conferences (e.g. for initiating and intensifying contacts between science and business, for discussing detail information about innovative ideas and technologies)
- organisation of topic-specific workshops, fairs or similar activities in order to foster special ideas
- initiating and presenting/ moderating bilateral and subject-specific discussions held by technology suppliers and potential users

### services in terms of the preparation of economic exploitation of an (innovative and economically applicable) idea/ technology

- contract research (e.g. initiating, bringing together the potentially exchanging parties, project management)
- research cooperation

- consulting on technical issues in order to support the final implementation of new technologies or processes in enterprises: (e.g. support for adapting new technologies to the existing equipment in the company)
- consulting to find out and make use of the resources required for the final implementation of new technologies or processes in enterprises (e.g. support in scouting out and canvassing of funding options for the implementation of new technologies in a company, support in the management of licensing procedures)

### services of the economic exploitation of innovative and economically applicable ideas

- supporting patent exploitation/ licensing (e.g. patent search; market analysis, foundation consulting)

### services in terms of collective advancement of innovative and economically applicable ideas resp. research fields

- initiation and implementation of tools that do not follow an institutional structure (networks, discussion groups, alliances, clusters)
- support to the establishment of students' projects and looking after the students' work in the form of preliminary studies aimed at: the preparation of the implementation of innovative ideas/ new technologies in enterprises; the application of scientific results to tackle with practical problems in enterprises; the detection of deficits and bottlenecks that could make the application of new ideas and technologies in the enterprises difficult

### geographical area of transfer activities and services

- regional
- national
- cross-border (PL ← → CZ; PL ← → GE; CZ ← → GE)
- European-wide
- world-wide

## TARGET GROUPS

### Kind of organisation

- organisations offering or developing innovative ideas/ new technologies and organisations demanding for innovative ideas or new technologies

### businesses of target groups

- Manufacturing
- Professional, scientific and technical activities
- Administrative and support service activities

### number of employees of target group organisation(s)

- 10 - 99
- 100 - 499