Technische Universität Chemnitz/ Prorektorat für Transfer und Weiterbildung

TECHNISCHE UNIVERSITÄT CHEMNITZ

GENERAL INFORMATION

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Year of foundation	1836
type of organisation	university

Aim/role with respect to the transfer process

Aktiver und nachhaltiger Transfer zwischen Universität, Wirtschaft, Wissenschaft, Gesellschaft und Politik ist eines der Kernaufgabenfelder der TU Chemnitz. Dieser soll die Potenziale der Universität und deren Ergebnisse in Forschung und Lehre für Wirtschaft, Wissenschaft, Gesellschaft und Politik nutzbar machen und damit u. a. die Innovationskraft der Wirtschaft stärken. Die beim Transfer gewonnenen Erkenntnisse und die Kooperationsbeziehungen sollen zudem die Wissens-, Kompetenz- und Netzwerkbasis der Universität verbessern.

Zur Unterstützung der Umsetzung einer erfolgreichen Transferstrategie wurde das Zentrum für Wissens- und Technologietransfer (ZWT) als zentrale Einrichtung der TU Chemnitz etabliert. Durch das ZWT werden die Angebote der Universität im Wissens- und Technologietransfer erfasst, gebündelt und sichtbar gemacht, Transferanfragen bearbeitet und vermittelt, Transferprozesse koordiniert und gestaltet sowie

Sustainable and active transfer between university, economy, science, society and politics is one of the core responsibilities of the TU Chemnitz. Intention is to make use of the potential of the university and their results in research and teaching for economy, science and society to encourage the innovation strength of the regional economy. The cooperation relations and findings from technology transfer should help to improve the knowledge, competencies and network of the university.

The centre for knowledge and technology transfer (ZWT) at TU Chemnitz was founded to support the realisation of a successful transfer strategy. The ZWT bundles the services of knowledge and technology transfer and makes it visible. It coordinates and develops transfer processes, conveys and answers transfer questions and initiates and assists transfer projects.

Transferprojekte initiiert, betreut und mitge-
staltet.

Main area with respect to the key topics

Kernkompetenzen der TU Chemnitz:	Core competencies of TU Chemnitz are:
Materialien und Intelligente Systeme (innovative Werkstoffe, neue Integrationstechnologien von Materialien und Systemen z. B. in der Medizintechnik, der Energietechnik und im Leichtbau)	Materials and smart systems (innovative materials and technologies (e.g. medicine technology, energy technology and lightweight construction)
Ressourceneffiziente Produktion und Leichtbau (innovative Produktionstechnologien für ressourcenverbrauchsarme und wandlungsfähige Produktionssysteme)	Resource efficiency production and lightweight construction
Mensch und Technik (nachhaltige Gestaltung von Technik und Organisation, gesundheitliche Auswirkungen und Potentiale von Arbeit und Technik auf den Menschen)	Human and technology (sustainable design of technology and organization, effects and potencials of work and technology for human)
Anknüpfend an diese Kernkompetenzen werden Transferaktivitäten in folgenden Feldern durchgeführt: Gesellschaftlich relevante Beiträge der Universität, Lebenslanges Lernen und Weiterbildung, Kooperative Forschungsprojekte sowie wissenschaftliche Dienstleistungen, Förderung von Ausgründungen und der Unternehmensnachfolge, Schutzrechte und Verwertung geistigen Eigentums	Following these core competencies transfer activities happen in the fields: relevance for the society, lifelong and further education, cooperative research projects and scientific services, start up support and company succession, property rights and valuation of IP.

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OFFERED TRANSFER ACTIVITIES

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, e.g. support with SAXEED for EXIST applications

- technology assessment according to technical, legal and economical aspects (*such as technology maturity level, patentability, standard conformity, necessary licensing procedures*); e.g. assessment of research ideas from TU Chemnitz and patent evaluation for companies through Patent information centre

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

- implementation of meetings, workshops, conferences (e.g. for initiating and intensifying contacts between science and busi-ness, for discussing detail information about innovative ideas and technologies); examples: technology regular's table together with chamber of industry and commerce Chemnitz for initiating contacts between science and economy; economic forum with companies to search for project and research ideas

- 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, e.g. organisation of fair participation for TU Chemnitz

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), e.g.arrangement of contacts to profs*

- 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)*

- boosting acquisition of financing or funding of the defined transfer *(e.g. consulting, bringing potential partners together), e.g. EEN enterprise Europe network for EU-projects*

- *spin-off creation by your organization, e.g. SAXEED*

services of the economic exploitation of innovative and economically applicable ideas

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

- support of licensing (*e.g. market analysis, legal consulting*)

- supporting implementation of spin-offs based on innovative ideas/ technologies

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

- establishment of institutional structures for the cooperation between science and economy (*e.g. endowed chairs, joint research institutions as a kind of public private partnership, associated institutes closely connected with universities*)

- 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

TARGET GROUPS

kind of organisation

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

businesses of target groups

- Manufacturing
- Electricity, gas, steam and air conditioning supply
- Wholesale and retail trade
- Transportation and storage
- Information and communication
- Professional, scientific and technical activities
- Administrative and support service activities
- Public administration and defence; compulsory social security
- Education
- Human health and social work activities

number of employees of target group organisation(s)

- <10
- 10 – 99
- 100 – 499
- >499