



## Presseinformation

### From Atoms to Complex Materials

The cluster of excellence "European Centre for Emerging Materials and Processes Dresden (ECEMP)" at the Technische Universität Dresden will be funded within the State of Saxony's Excellence Initiative. This will further strengthen and sustain research and teaching on an international level in the field of materials science and engineering.

The aim of the ECEMP is to develop multicomponent materials and the corresponding technologies in the areas of lightweight construction, energy and environmental technology, based on the three material classes: metal (steel, aluminium, magnesium, titanium), non-metal organic (plastic, natural substances), and non-metal inorganic (ceramics, glasses).

In order to implement this ambitious scientific program, the following measures have been scheduled:

- establishment of experimental and technology pools across faculties
- establishment of international junior research groups and graduate schools with 100 doctoral students
- establishment of both a technology-oriented and a materials-oriented master program
- establishment of family-friendly research structures, and the creation of new (endowed) professorships

The cluster of excellence ECEMP is underpinned by the facilities and the first-rate competence in all material classes available in Dresden, which is a unique site for material research, with more than a thousand material scientists within and outside the university. In addition, the strong regional expertise of small and medium-sized industries should also contribute to the work of the ECEMP.

"The high-technology cluster ECEMP acts as a springboard for the TU Dresden, which is one of the oldest technical universities in Germany, to become an internationally recognized elite university", says the spokesman of the ECEMP, Professor Werner Hufenbach. "Now it is up to us to make something of this unique opportunity."

Further Information:

Prof. Dr.-Ing. habil. Werner Hufenbach

Tel.: +49 (351) 463-38140

E-Mail: [ilk@ilk.mw.tu-dresden.de](mailto:ilk@ilk.mw.tu-dresden.de)