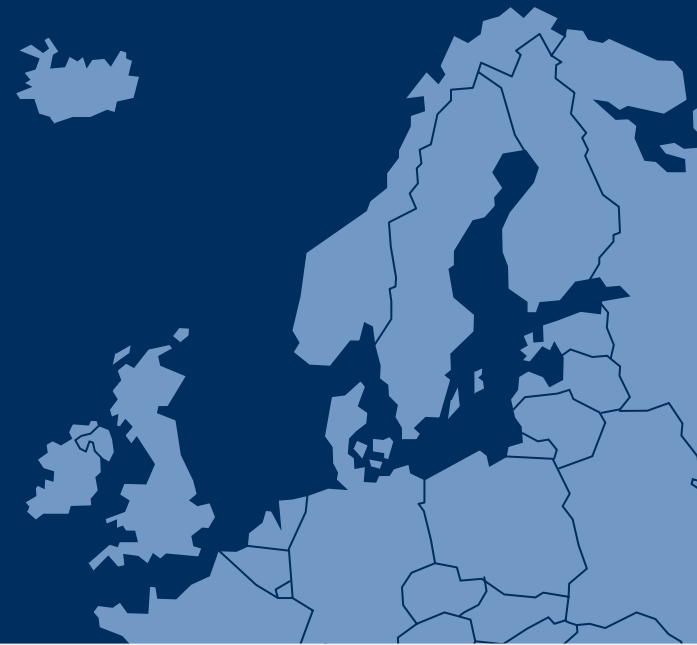


1st International ECEMP Colloquium

2 and 3 December 2010
Dresden, Germany



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FROM ATOMS TO COMPLEX DEVICES



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„We are looking forward to welcoming you to the 1st International ECEMP Colloquium“, Prof. Werner Hufenbach, spokesman of the cluster of excellence ECEMP.

Dresden has always been a well established location in materials science and is at the leading edge of international research in this field. As a result of its state-of-the-art science and technology “ECEMP – European Centre for Emerging Materials and Processes Dresden” won the excellence initiative of the Free State of Saxony and became a cluster of excellence of the Technische Universität Dresden.

In the 14 subprojects of ECEMP, research is focussed on the development of multicomponent materials and their associated technologies for energy management, environmental engineering and lightweight engineering – the three future fields of ECEMP. With nearly 40 professorships of the TU Dresden, the HTW Dresden and the TU Bergakademie Freiberg, the cluster of excellence offers an extensive range of multidisciplinary research.

The scientists at ECEMP are experts for all classes of materials (metals, plastics, natural compounds and ceramics) and in the complete value chain (material design (CMS), development, production, processing and application of components). This offers a variety and broadness, which is currently unique in Germany.

There has been always a direct connection of technical development and new findings in materials and their properties. This also is reflected in the fact that almost 70 percent of all technical innovations depend directly or indirectly on properties of the related materials. Therefore, the development of competing hightech products is dominated by a far-reaching change of mind: Instead of using classical materials and technologies, scientists and researchers more likely use customized multicomponent materials and adjusted production processes.

The 1st ECEMP Colloquium will give the opportunity to bring together experts from research and industry. They will present and discuss the most recent developments in new materials, techniques, processes and applications.

We are looking forward to welcoming you to the 1st International ECEMP Colloquium on the 2nd and 3rd of December in Dresden!

Prof. Werner Hufenbach

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