

Seminar im Rahmen des GRK 2078

Referent: Prof. Claudia Eckert
The Open University, School of Engineering and Innovation, UK

Datum: 06.06.2017

Uhrzeit: 10:00-11:30 Uhr

Ort: Geb. 10.23, 8. OG, Raum 805

Titel: **Change as little as possible!**

Abstract

Innovations are essential for the competitiveness of companies. They offer new opportunities and at the same time entail certain risks. Most of the products that use innovative materials are developed as improvements of predecessor products into which innovations are introduced (technology infusion). The goal is to increase the value of products and to avoid unintentional change propagation, since these can increase costs considerably and, thereby, eliminate profits through innovations.

This presentation discusses the role of changes in product development processes based on several case studies of complex products and analyzes the mechanisms responsible for the change propagation in products. The concept of a "design margin" will be introduced, i.e., a surplus over the requirements. This can apply to any area of design and gives an indication of the capacity of a system to absorb changes to the requirements. By applying new innovative materials, changes in the product design can be prevented, and existing geometry can be maintained with increased performance.

Alle Interessenten sind herzlich eingeladen.

Prof. Dr.-Ing. Dr. h.c. Albert Albers