UNIKASSEL VERSITÄT

Physikalisches Kolloquium

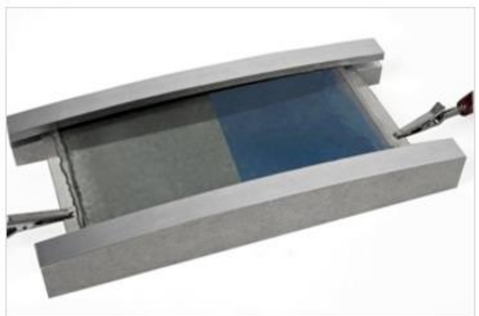
Thursday, 27.06.2019, 16:15, HS 100
Reception with coffee & cookies 15:45
(For university staff: please bring your own cup for sustainability reasons)

Prof. Dr.-Ing. Hans-Peter Heim, Institut für Werkstofftechnik, Kunststofftechnik, Universität Kassel:

CINSaT Colloquium: Integration of functions by polymer processing

Abstract
Over 20 years ago, an increased trend for function integration in plastics processing began, including for example decorative surfaces, items with haptic elements, multicolor and foamed lightweight construction elements with a high surface quality. These are only several examples, which nowadays a lot of people are surely familiar with in one form or another. Today in the context of functionalization, in addition to that, electrically and thermally conductive materials and devices which integrate sensors, actors or allow for colour change etc. are of great interest. And also, the amount of bioplastics used in plastics processing is increasing, which is of great importance concerning the efforts made in the context of bio-economy.

The presentation will give a short overview of the activities at the Institut für Werkstofftechnik, Kunststofftechnik (Prof. Heim). It will mainly focus on electrochromic and electroactive devices, natural fiber reinforced plastics and self reinforced materials.



Electrochromic Device
(left side transparent, right side coloured)

All of you interested in physics are cordially invited!

Contact: Dr. Nina Felgen, COO CINSaT, More Information: uni-kassel.de/go/physikalisches_kolloquium