

SPECIAL NANO HOUR

Friday, May 2, 2014 10:00 am
Beckman Institute - Room 3269

Designing intrinsic and extrinsic self healing in polymers, metals, ceramics and concrete systems

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Following the ground breaking work at the Beckmann Institute on the first generation of extrinsic self healing polymer systems based on a fully crosslinked polymer matrix and an encapsulated liquid adhesive, scientists at the TU Delft (the Netherlands) have addressed the theme of self healing from a more generic angle and have come up with a wider set of self healing concepts not limited to polymers. In all cases the concept is based on the notion of 'temporary local mobility' but the solution is determined by the intrinsic chemical/physical nature of the host material.

In this presentation examples will be presented of other autonomous and stimulated self healing concepts, closer or further away from a commercial realization.



Coffee and cookies will be served
<http://nanohour.beckman.illinois.edu>