

# 2010 Departmental Seminar

Friday 5 June 2010

12.00 pm

Mechanical Engineering Seminar Room – E547

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## Trampoline bounces - Where does the energy go?

**S. Koch, P. Arnemann, M. Mueller, P.-M. Falk**

German exchange students from TU Darmstadt

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### Abstract:

The Springfree-Trampoline, invented by Prof. Keith Alexander at the University of Canterbury, improves the safety of conventional trampolines by a new design. The regular horizontal springs of conventional trampolines were replaced with fibre glass rods attached orthogonally to the mat (see picture). This design allows the edge of the trampoline to be soft and therefore the Springfree-Trampoline is safer than its conventional counterpart. In this presentation results of our (experimental and theoretical) investigations regarding the question "Where does the energy go?" are shown and explained in an interesting and compact way.



All are welcome!