Wintersemester 2014/15

**Oberseminar
Geometrische Analysis und Mathematische Relativitätstheorie**

Am Donnerstag, den **27.11.2014** spricht um **14 Uhr c. t.** im Raum N16

Dr. Felix Schulze
(University College London)

über das Thema

A local regularity theorem for mean curvature flow with triple edges

We consider the evolution by mean curvature flow of surface clusters, where along triple edges three surfaces are allowed to meet under an equal angle condition. We show that any such smooth flow, which is weakly close to the static flow consisting of three half-planes meeting along the common boundary, is smoothly close with estimates. Furthermore, we show how this can be used to prove a smooth short-time existence result. This is joint work with B. White.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken