Mathematisches Kolloquium

Am Freitag, dem 13. Juli 2012 spricht um **15.00 Uhr s.t.** im Hörsaal IV
der Fachrichtung Mathematik (Gebäude E2 4)

PD Dr. Wolfgang zu Castell
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über das Thema:

Modling similarity: positive definite kernels in applications

Abstract: Kernel based methods have turned out to be very successful in many
fields of data analysis and pattern recognition. The intuitive idea behind these
methods is the embedding of the data into a Hilbert space. Linear approaches
can be chosen within this Hilbert space, while the embedding itself provides a
way to deal with non-linearity inherent in the data. We will discuss some of
these ideas, trying to highlight the role of the kernel involved. Properties of the
kernel will then reflect in the tools at hand to analyse the method and derive
qualitative statements concerning its performance.

Der Gast wird von Prof. Dr. B. Burgeth betreut.

Alle Interessenten sind zum Vortrag herzlich eingeladen.

Kaffee ab **14.30 Uhr** im Konferenzraum der Mathematik   (EG - 1.03)

Die Dozenten der Mathematik