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*Fachbereich C, Mathematik  
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Im Rahmen der

## AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

### **On thickening of holomorphic hulls and envelopes of holomorphy on Stein spaces.**

**(Prof. Egmont Porten, Mid Sweden University, Sundsvall  
(Schweden))**

am **Dienstag, den 19.11.2013, um 16 Uhr c.t. in Raum G.15.25.**

**Abstract:** On a normal Stein variety  $X$ , we study the thickening problem, i.e. the problem whether the assumption that a compact set  $K$  is contained in the interior of another compact set  $L$  implies that the same inclusion holds for their holomorphic hulls. An affirmative answer is given for  $X$  with isolated quotient singularities. On any Stein space  $X$  with isolated singularities, we prove thickening for those hulls which have analytic structure at the singular points, obtaining a limitation for possible counter-examples. In dimension 2, we finally relate the holomorphic hulls to analytic extension from parts of strictly pseudoconvex boundaries.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina