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Im Rahmen der

AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

Lorentzian CR structures: results on cohomology and nonembeddability.

(Dr. Judith Brinkschulte, Universität Leipzig)

am **Dienstag, den 31.01.2017, um 16 Uhr c.t. in Raum G.15.25**.

Abstract: There is a sizeable literature about CR embeddable CR manifolds, yet there are still very few results about the cohomology of abstract CR manifolds. We show that whenever one has a certain condition on the Levi-form at a single point, then some global CR cohomology group must be infinite dimensional. In particular, our results apply to compact Lorentzian hypersurfaces M. As an application, we can construct a deformation of the trivial CR line bundle over M which is topologically trivial, but fails to be locally CR trivializable over any open subset of M. The results were obtained in joint papers with C. D. Hill.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina