

BERGISCHE UNIVERSITÄT
WUPPERTAL
Gaußstraße 20
42119 Wuppertal



*Fakultät für Mathematik
und Naturwissenschaften*

Prof. Dr. Nikolay Shcherbina

Telefon: (0202) 439-3041

Raum: G.15.19

Im Rahmen der

AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

Holomorphic forms and the $\bar{\partial}$ -equation on reduced complex spaces

(Håkan Samuelsson Kalm, Chalmers University Göteborg)

am Montag, den 30.11.2015, um 14 Uhr c.t. in Raum G.15.20.

Abstract: I will begin with a brief overview of some different notions of holomorphic differential forms on a singular complex space X of pure dimension n . Then I will show how to solve the $\bar{\partial}$ -equation locally for smooth (p, q) -forms using integral formulas and residue theory. This will lead to a fine resolution of the sheaf of strongly holomorphic p -forms as well as to showing that such forms are Serre dual to the holomorphic $n - p$ -forms introduced by Barlet.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina