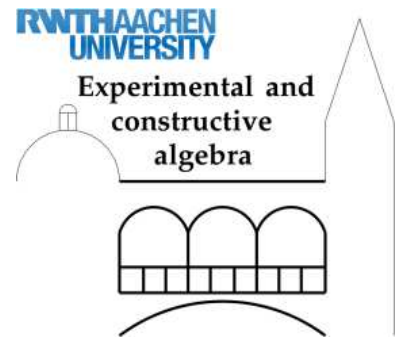


Graduiertenkolleg

# Experimentelle und konstruktive Algebra



## Kolloquiumsvortrag

Mittwoch, 18. Dezember 2013, 12:15 Uhr, Seminarraum Lehrstuhl B für Mathematik

**JORGE MARTÍN-MORALES (CENTRO UNIVERSITARIO DEFENSA, ACADEMIA GENERAL MILITAR, ZARAGOZA, SPANIEN):**

***Singularities and  $D$ -modules via Bernstein-Sato polynomials***

Given a polynomial in several variables one is interested in studying its singularities. Usually the classification problem is attacked by considering invariants which provide partial information about the singularity. Milnor number, Milnor fiber, Picard-Lefschetz monodromy, Bernstein-Sato polynomial, among others, are typical examples of such invariants. The aim of the talk is to explain how they are related and how they can be computed effectively. As we will see, the use of resolution of singularities is one of the key points.

Wir laden alle Interessierten herzlich ein.

Ab 11:30 Uhr gibt es Kaffee und Tee in der Bibliothek des Lehrstuhl D für Mathematik.