

## Seminar Komplexe Geometrie

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**Mittwoch, 16. Dezember 2015**

14.30 Uhr, Hörsaal B 116

**Prof. Dr. Gerd Schmalz, MPI-Bonn/University of New England**

**Title:**

**Chern-Moser theory for para-CR-manifolds and degenerate multi-contact structures**

**Abstract:**

Para-CR manifolds are contact manifolds with a direct product structure on the contact distribution. This is analogous to CR manifolds, which have a complex structure on the contact distribution. Para-CR manifolds are of interest in Lagrangian geometry.

We have constructed a normal form of the defining equation, similar to the Chern-Moser normal form. Surprisingly, the theory becomes much simpler. In particular, the question of embeddability of abstract para-CR manifolds is rather trivial.

This is joint work with Alessandro Ottazzi.