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Im Rahmen der

## AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

### **A Carathéodory prime ends theory via intrinsic metric**

**(Prof. Filippo Bracci, Università di Roma “Tor Vergata”, Italia)**

am **Dienstag, den 02.02.2016, um 16 Uhr c.t. in Raum G.15.25.**

**Abstract:** This is a work in progress with Hervé Gaussier, where we define prime ends theory using the Kobayashi distance and “horosphere sequences”. This allows to extend Carathéodory theory in higher dimension, proving for instance that a strongly pseudoconvex domain together with its horosphere boundary endowed with the horosphere topology is homeomorphic to its Euclidean closure (while the horosphere boundary of a polydisc is not even Hausdorff), and allows to study boundary behavior of univalent mappings using the “impression of horospheres”.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina