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Im Rahmen der

# AG Komplexe Analysis

laden wir zu folgendem Vortrag ein:

## On the hyperconvex index of Teichmüller space
## (Prof. Liyou Zhang, Capital Normal University, Beijing)

am **Freitag, den 10.01.2020, um 14 Uhr c.t. in G.15.34**.

**Abstract:** Using the d-boundedness of the Bergman metric and the boundary behaviors of Bergman kernel, we show that uniformly squeezing domains admit positive hyperconvex indices. This confirms a statement of Boyong Chen (*Bergman kernel and hyperconvexity index*, Analysis and PDE, Vol. 10, No. 6, 2017) that the Teichmüller space of a compact Riemann surface with genus $g \geq 2$ which is boundedly embedded in $\mathbb{C}^{3g-2}$ probably has a positive hyperconvexity index.

Alle Interessenten sind herzlich eingeladen!

gez. Prof. N. Shcherbina