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**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
Belfield, Baile Átha Cliath 4, Éire

Email seminars@maths.ucd.ie
Web maths.ucd.ie/seminars

Analysis Seminar

M. Mackey

will speak on

Inner iteration of holomorphic functions on hyperbolic domains

Tue 5th December 2017 at 4:15PM

Location: SCN 125

If (f_n) is a sequence of holomorphic self-maps of a domain then the associated inner iterated function system is (F_n) where $F_n = f_1 \circ \dots \circ f_n$. We survey results of Gill, Lorentzen, Beardon et al., Keen and Lakic, and Bracci concerning the convergence of such systems, focusing (in the spirit of the Denjoy-Wolff theorem) on conditions which guarantee that limit points are constant.

This talk is part of the **Analysis** series. For more, see
<https://maths.ucd.ie/seminars>