Title: Tameness in the Fréchet spaces of analytic functions.

Abstract: A Fréchet space X with a sequence of generating semi-norms $\{\|\|_k\}_k$ is called *tame* in case there exist an increasing function $\sigma : \mathbb{N} \to \mathbb{N}$, such that for every continuous linear operator from X into itself there exits an N_0 and a C > 0 such that

$$||Tx||_k \le C ||x||_{\sigma(k)} \quad \forall x \in X \text{ and } n \ge N_0.$$

This property does not depend upon the choice of generating system of seminorms and is a property of the Fréchet space X.

In this talk we will look into tameness in the Fréchet spaces O(M) of analytic functions on Stein manifolds M equipped with the compact open topology.