Title: A function which has Vanishing Mean Oscillation on the unit circle but is not essentially bounded.

Abstract: It is known that if BMO is the space of all functions on the unit circle \mathbb{T} having bounded mean oscillation, then $L^{\infty}(\mathbb{T}) \subseteq BMO$. One can then ask if the same is true for VMO, the subspace of functions in BMO that have vanishing mean oscillation. In this talk, we will construct an example of a function G with $G \in VMO$ but $G \notin L^{\infty}(\mathbb{T})$.