



Department of
Mathematical Sciences

Colloquium

Dr. Ian Biringer

Professor of Mathematics

Boston College

Friday,
October 21th, 2022
@ 2:00pm

EMS Building, E495



**Dr. Ian
Biringer**

UW-Milwaukee
Department of
Mathematical Sciences

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The space of all closed subgroups of a Lie Group, especially $PSL(2, \mathbb{R})$

If G is a Lie group, let $\text{Sub}(G)$ be the set of all subgroups H of G that are topologically closed subsets of G . There is a natural topology on $\text{Sub}(G)$, called the Chabauty topology. We'll define the Chabauty topology, do a few examples, and talk about recent progress on the Chabauty space of the Lie group $PSL(2, \mathbb{R})$, where hyperbolic geometry will play a role.

**Refreshments will be served in EMS E495
following this event.**



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