

## ***TOPOLOGY SEMINAR***

**Guest Speaker: Kathryn Lesh**

**Union College**

**Date:** Tuesday, May 2, 2023

**Time:** 2:30 PM

**Location:** 258 Hurley Hall

**Zoom Link:** NA



***Lecture Title:***

**Normalizer decompositions of  $p$ -local compact groups**

***Abstract***

I will talk about a "normalizer decomposition" for the classifying space of a  $p$ -local compact group. The decomposition generalizes those of Dwyer for finite groups and of Libman for  $p$ -local finite groups and (separately) for compact Lie groups. I'll show how the decomposition gives a homotopy pushout square for the exotic  $p$ -compact groups of Aguade and Zabrodsky by building on the example of  $SU(p)$ . This is joint work with Belmont, Castellana, Grbic, and Strumila.