FALL 2017 MATYCONN MEETING

Friday, October 20, 2017
Capital Community College
950 Main Street, Hartford, CT
Community Room - 206

10 to 10:30 am – Registration, Publishers, Social Time
Social Time

10:30 to 11:30 am – Business Meeting

11:30 am to 12:30 pm – Lunch

12:30 to 2 pm – "The Zeroth K-theory Group"
Emily Hepworth – Instructor at NVCC
with a PhD in Mathematics from SUNY Albany

K-theory is a relatively recent branch of algebraic topology, having its inception in the 1950's. K-theory assigns a sequence of abelian groups, K_n, to a category with cofibrations. This allows us to study complex things (catcos) via abelian groups, which are in general much better understood. In this talk, Emily will define a category with cofibrations and introduce the zeroth K-theory group, K_0, by exhibiting examples in familiar settings, such as, fields and groups. The underlying category theory will be swept under the rug, so this talk will be assessable to all.

Meeting Registration Form — see separate sheet

Directions to Capital Community College (CCC)
https://www.capitalcc.edu/mission/directions/

Parking at CCC: Free secure parking is available at the College's Columbus Boulevard lot. Please note that if you park in the Morgan Street Garage without a College-authorized access card, it will be at your own expense.