CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, November 1
2:00 – 3:00 PM
Maria Sanford, Room 101

POLYTOPES:
TOPOLOGY, GEOMETRY AND ALGEBRA

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Abstract: There are several families of polytopes that besides being aesthetically pleasing, like the platonic solids, play a fundamental role in topology, geometry and algebra. We will introduce some of these families and show how they appear in geometric, topological and algebraic contexts. I plan to discuss classical relations from finite groups to loop spaces and newer results such as the application to convex equipartitions.