CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, November 4
2:00 – 3:00 PM
Maria Sanford, Room 101

POLYTOPES, VARIETIES, AND VECTOR BUNDLES

MILENA HERING

UNIVERSITY OF CONNECTICUT

Abstract

I will show how one can associate to a polytope a ring and equivalently a line bundle on an algebraic variety. We will see that the ring is always finitely generated. Similarly, one can associate a ring to a vector bundle on such a variety. I will discuss properties of these rings and show that they need not be finitely generated.

For further information:
gotchevi@ccsu.edu 860-832-2839
http://www.math.ccsu.edu/gotchev/colloquium/