CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, September 11
2:00 – 3:00 PM
Maria Sanford Hall, Room 101

ALGEBRAIC MINIMAL HYPERSURFACES OF ORDER TWO IN THE HYPERBOLIC SPACE

OSCAR PERDOMO

CENTRAL CONNECTICUT STATE UNIVERSITY

Joint work with Nelson Castaneda

ABSTRACT

In this talk we will first explain the progress made on the characterization of algebraic minimal hypersurfaces in the Euclidean space, Sphere and Hyperbolic space. Recall that these three spaces correspond with the Euclidean geometry, Elliptical geometry and Non Euclidean geometry respectively, and they are essentially all simply connected spaces with constant curvature. Then, we will present the characterization of algebraic order two minimal hypersurface in the hyperbolic space and outline the ideas in the proof of this result.

For further information:
gotchevi@ccsu.edu 860-832-2839