# CCSU
## DEPARTMENT OF MATHEMATICAL SCIENCES

# COLLOQUIUM

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

# THE GEOMETRY OF FUCHSIAN GROUPS


# ILESANMI ADEBOYE

**WESLEYAN UNIVERSITY**



### Abstract

Riemann surfaces, one-dimensional complex manifolds, are rich in mathematical structure. They connect complex analysis with geometry and group theory. Geometrically, Riemann surfaces are classified as parabolic, elliptic or hyperbolic. Hyperbolic surfaces, Riemann surfaces with constant curvature -1, form the largest and most interesting class. The fundamental groups of hyperbolic surfaces are called Fuchsian groups.

In this talk we will define Fuchsian groups, discuss several examples and describe the corresponding hyperbolic surfaces.



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