CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, September 16
2:00 – 3:00 PM
Maria Sanford, Room 103

KRIGING: AN INTRODUCTION TO SPATIAL STATISTICS

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ABSTRACT

Spatial data consist of both measurements and the locations of these measurements, and such data arise in a number of fields, e.g., geology, geography, meteorology, remote sensing, and medical imaging. Spatial statistics analyzes spatial data and consists of a number of methodologies, but we will focus on only one tool, kriging, a linear spatial interpolation technique. After discussing how kriging works, we will consider several applications including (1) creating a mineral map from a number of ore samples, and (2) estimating the probability of a contaminant being above a regulatory threshold from transect samples. The focus of this talk will be on applications not theory, and I encourage anyone interested in spatial data to come.

AFTERMATH:
Refreshments will follow the colloquium at Castaneda's
(1590 Stanley St. – across from the administration building)

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