

**CCSU**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**

# **COLLOQUIUM**

Friday, November 9  
11:00 AM – 12:00 PM  
Maria Sanford, Room 119

## **SOME BAYESIAN APPROACHES FOR ANALYZING CASE-CONTROL DATA**

**SAMIRAN SINHA**  
**TEXAS A&M UNIVERSITY**

### **ABSTRACT**

In this talk I will briefly introduce case-control study which is a very common study design for epidemiological studies. Next I will talk about how to analyze such data using Bayesian approach, and will mention the method that we need to handle missing data in case-control studies. At the end I will talk about stratified case-control study, some of the issues of this design, and some Bayesian methods to analyze such data.

*For further information:*

[gotchevi@ccsu.edu](mailto:gotchevi@ccsu.edu) 860-832-2839  
<http://www.math.ccsu.edu/gotchev/colloquium/>