Wednesday, December 5., 2007

Root Hall A186, ISU

12:00 p.m., noon

Professor Rao Marepalli

Department of Environmental Health
Division of Epidemiology & Biostatistics
University of Cincinnati, Cincinnati, OH

A Generalization of Monty Hall Problem & Patterns in Coin Tossing

In this talk, I will present two problems on discrete probability. One problem is related to the well-known Automobile - Goat problem of Marylyn vos Savant.
The other problem is about patterns in coin tossing and its connection to Fibonacci sequences. A rudimentary knowledge of probability will suffice to follow the trend of the talk.

Dr. Raos research interests include applications of statistical methodologies in bioinformatics; calibrating an electronic nose in testing food safety; classification and clustering techniques in medical diagnostics; sample size determination in biomedical research; analysis of familial data and longitudinal data analysis; false discovery rates. Dr. Rao also has considerable research interests in Probability and Mathematics.

For more information write to **jajcay@cayley.indstate.edu**
or visit **http://marilyn.indstate.edu/jajcay/seminar.html**