

3RD ANNUAL PROBABILITY AND STATISTICS DAY AT UMBC

FUNDED BY NSA

Friday, April 24, 2009
Lecture Hall 8, ITE Building, UMBC

Workshop on Modern Multiple Testing

by

Professor Sanat Sarkar

Temple University

11:30 am – 1:00 pm: Meeting of UMBC Statistics graduate students, faculty and invited speakers (**Department Lounge**)

1:00 pm – 2:00 pm: **Registration (LH 8, ITE Building)**

2:00 pm - 2:15 pm:

- Welcome by *Prof. Nagaraj Neerchal, Chair, Dept of Math & Stat* and *Prof. Bimal Sinha, Conference Chair*
- Introduction of Speaker by *Thomas Mathew*

2:15 pm - 3:00 pm:

Lecture 1 – Introduction to Multiple Testing, Familywise Error Rates and False Discovery Rates, Stepdown, Stepup and Single-Step Multiple Testing Procedures

3:00 pm – 3:10 pm: *break*

3:10 pm - 4:00 pm:

Lecture 2 – Procedures Controlling the Familywise Error Rate
Procedures Controlling a Generalized Familywise Error Rate

4:00 pm – 4:30 pm: *coffee break*

4:30 pm - 5:20 pm:

Lecture 3 – Procedures Controlling the False Discovery Rate
Procedures Controlling a Generalized False Discovery Rate

5:20 pm – 5:30 pm: Concluding Remarks