SHORT COURSE ON STATISTICS AND EXTREME EVENTS

11 JANUARY 2009 PHOENIX CONVENTION CENTER PHOENIX, AZ

ORGANIZERS
Cecile Penland and Marina Timofeyeva

AMS COMMITTEE ON PROBABILITY AND STATISTICS
Richard W. Katz, Chairperson
William (Matt) Briggs, David R. Bright, J. Paul Dallavalle, Elizabeth E. Ebert, James B. Elsner, Harry R. Glahn, Thomas M. Hamill, Elise V. Johnson, Cecile Penland, David B. Stephenson, and Marina M. Timofeyeva

PROGRAM

SUN 11 JAN

8:30 A.M. INTRODUCTION. Cecile Penland, NOAA/ESRL, Boulder, CO and Marina Timofeyeva, UCAR and NOAA/NWS, Silver Spring, MD

9:00 A.M. VIEWING CLIMATE AND WEATHER EXTREME EVENTS IN A PROBABILISTIC CONTEXT. Prashant Sardeshmukh, NOAA/ESRL, Boulder CO

10:00 A.M. COFFEE BREAK

10:30 A.M. EXTREME VALUE THEORY. Richard Smith, University of North Carolina, Chapel Hill, NC

11:15 A.M. POISSON AND QUANTILE REGRESSION. James Elsner, Florida State University, Tallahassee, FL

12:00 P.M. LUNCH BREAK (students on their own for lunch)

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1:30 P.M. PROBLEM APPLICATIONS, EXERCISE SESSION ON POISSON AND QUANTILE REGRESSION. James Elsner, Florida State University, Tallahassee, FL

2:15 P.M. PERFORMANCE EVALUATION MEASURES. Caren Marzban, University of Washington, Seattle, WA

3:00 P.M. COFFEE BREAK

3:30 P.M. PROBLEM APPLICATIONS, EXERCISE SESSION ON ANALYSES OF EXTREMES. Rick Katz, UCAR/NCAR, Boulder, CO

5:00 P.M. SHORT COURSE ADJOURS