

# Conference Program

Sunday, July 7

## (A) Multivariate Moment-Related Inequalities

Chair: Ingram Olkin, Stanford University

8:30 - 9:10 *On the Multi-Dimensional Moment Problem*

J. H. B. Kemperman, Rutgers University

9:10 - 9:50 *Inequalities on Probabilities and Expectations Based on the Knowledge of Multivariate Moments*

András Prékopa, Rutgers University

9:50 - 10:00 Discussion

10:00 - 10:20 Coffee

## (B) Inequalities in Probability

Chair: Sheldon M. Ross, University of California at Berkeley

10:20 - 11:00 *Inequalities for Rare Events in Time Reversible Markov Chains*

David J. Aldous, University of California at Berkeley  
and Mark Brown\*, City College, CUNY

11:00 - 11:40 *Partitioning Inequalities in Probability and Statistics*

Theodore P. Hill, Georgia Institute of Technology

11:40 - 11:50 Discussion

## (C) Applications of Inequalities, I

Chair: J. George Shanthikumar, University of California at Berkeley

1:30 - 2:10 *Comparing Two Groups of Ranked Objects by Matching Pairs*

Herbert A. David\* and Jingyu Liu, Iowa State University

2:10 - 2:50 *Applications of  $\mu(F)$ ,  $\lambda(F)$  Inequalities*

Chris Dorado\* and Myles Hollander, Florida State University

2:50 - 3:00 Discussion

3:00 - 3:20 Coffee

## (D) Inequalities in Multivariate Analysis

Chair: Morris L. Eaton, University of Minnesota

3:20 - 4:00 *The Multivariate Correlation Inequality and Unbiased Tests*

Arthur Cohen\* and Harold B. Sackrowitz, Rutgers University

4:00 - 4:40 *Concentration Inequalities for Multivariate Distributions*

Morris L. Eaton, University of Minnesota

and Michael D. Perlman\*, University of Washington

4:40 - 4:50 Discussion