TOPICS

1. **Large Sample Theory with Dependent Observations**

2. **Bayesian Inference: Modeling and Computation**
   Hierarchical Models; Bayesian Robustness; Image Restoration

3. **Sequential Methods**
   Fixed Width Confidence Intervals Stopping Times and Likelihoods; Optimal Stopping; Sequential Probability Ratio Test; Sequential Design

4. **Bootstrap Methods**
   Bias Reduction; Parametric Bootstrap Confidence Intervals; Expansions in the Central Limit Theorem; Related Expansions; Nonparametric Bootstrap Confidence Intervals

5. **Asymptotic Optimality**
   Superefficiency; Local Asymptotic Normality; Minimax Estimation of a Normal Mean; Posterior Distributions; Locally Asymptotically Minimax Estimation

6. **Weak Convergence in Metric Spaces**
   Topologies, Convergence, and Continuity; Metric Spaces; Measures and Weak Convergence in Metric Spaces; Random Elements and Transformations; Prohorov’s Weak Compactness Theorem

7. **Weak Convergence Applications**
   Characteristic Functions; Compact Sets and Tightness in $C[0,1]$; Donsker’s Theorem; Likelihood Tests for Mixtures; Change Point Problems; Empirical Distribution Functions