

# ACMS Applied Math Seminar

**Tianran Chen**  
**Thursday, April 28**  
**154 Hurley Hall**  
**3:30 - 4:30 PM**



## **Mixed Volume, Mixed Cells, and Polyhedral Homotopy**

Mixed volume and mixed cells of lattice polytopes play important roles in the study of systems of polynomial equations via Bernshtein's Theorem and the Polyhedral Homotopy method. This talk reviews recent developments in parallel algorithms for computing mixed volume and mixed cells as well as the revival of a few classical ideas.

The Department of Applied and Computational  
Mathematics and Statistics

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