

Mentor Lecture Series

Organizer: Daniel Erman and Bianca Viray

Monday, 4:10–5:00pm, 60 Evans

Apr. 17 **Ming Gu**, UCB

Matrix Computations: Matrix structures and fast algorithms

We discuss various issues in matrix computations and highlight the importance of matrix structures in fast algorithm design. In particular, we consider recent developments in fast algorithms for matrices with various kinds of semi-separable structures and explore potential implications of such work for scientific computing.

The Mentor Lecture Series is designed for first and second year graduate students. The series aims to acquaint beginning graduate students with potential dissertation supervisors whom they might not otherwise closely encounter, and to impart a taste of research activity in the mathematics department in order to help beginning students choose fields of specialization.