



The University of Chicago  
Departments of Computer Science,  
Mathematics, and Statistics

## Scientific and Statistical Computing Seminar

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**STANLEY OSHER**

Department of Mathematics  
University of California, Los Angeles

### Applications and Implications of Fast Methods for $L_1$ Related Optimization

**FRIDAY, May 18, 2012, at 3:30 PM**  
133 Eckhart Hall, 5734 S. University Avenue.

### ABSTRACT

New and newly revived fast methods for optimization problems involving  $L_1$ , total variation, tight frame and nonlocal means have led to innumerable interesting applications. I will discuss these applications selected from multi energy CT to retinex to surveillance to pairwise ranking to optimal schedule design, as well as the methods and future applications. This is joint work with many people.

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