

Leslie Greengard

Courant Institute, NYU

will speak on

Electromagnetic Scattering and Design

ABSTRACT: I will briefly review the analytic and computational foundations of fast multipole methods (FMMs) for acoustics and electromagnetics, focusing on their use in solving scattering problems in complex geometry. I will also describe a recently developed class of fast, direct solvers that we hope will form the basis for a new generation of design tools.

MONDAY, 28 FEBRUARY 2011

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:30-5:00 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS