

**Leslie
Greengard**

New York University

April 29 • 30 • May 1

4:30–5:30pm

**New mathematical
approaches in acoustics
and electromagnetics**

Lecture 1 Room 32-123

Fast algorithms for wave
propagation problems

4pm Reception outside room

Lecture 2 Room 3-270

A new potential theory
for the Maxwell equations

4pm Reception in Room E18-466A

Lecture 3 Room 4-370

High resolution inverse scattering

4pm Reception in Room E18-466A

SIMONS LECTURES IN MATHEMATICS

2015

**From particle systems to
kinetic equations**

Lecture 1 Room E25-111

The low density limit:
formal derivation

4pm Reception in Room E18-466A

Lecture 2 Room E25-111

A short time convergence result

4pm Reception in Room E18-466A

Lecture 3 Room 32-123

The case of fluctuations around
a global equilibrium

4pm Reception outside room

**Laure
Saint-Raymond**

École Normale Supérieure

May 4 • 5 • 6

4:30–5:30pm