

# Analysis and non-linear PDE's

Monday, September 1, 2003 (All day) - Wednesday, June 30, 2004 (All day)  
(2003-2004)

The main emphasis is recent developments in non-linear PDE's and the related analysis. This includes themes such as dispersive Hamiltonian equations with critical nonlinearity, the structure of singularity formations for NLS and generalized KDV type equations, Strichartz theory with nonsmooth variable coefficients, aspects of Ginzburg-Landau theory. Over the recent years, there have been a number of significant advances on these various topics, often involving a considerable analytical technology.

The aim of the program is to review these new results and methods and explain part of it to junior and less expert researchers.

Carlos Kenig will be the Distinguished Visiting Professor and in residence for the year.

terms:

- [special year](#)