

## Recent Developments on Certain Evolution Partial Differential Equations Special Session A22

*Gigliola Staffilani*

Massachusetts Institute of Technology, USA

*Sergio Polidoro*

Università di Modena e Reggio Emilia, ITALY

The goal of this section is to bring together researchers whose interest is in the study of a variety of evolution equations that represent fundamental physical phenomena. The study of these equations involves harmonic and Fourier analysis, geometry and stochastic calculus. We expect our speakers to give colloquium style talks involving the analysis of the Kolmogorov's operator, of many body systems of particles and wave packets, of invariant measures, and of singularity formations. Many of the problems discussed could be collected under the wide umbrella of kinetic theory and wave turbulence theory, two subjects that in recent years have seen an incredible number of fundamental advances.

For more information visit

<https://www.mathematical-analysis.unimore.it/jm-umi-ams/#SSA22>