



SCUOLA  
NORMALE  
SUPERIORE

## SEMINARIO MATEMATICA

**giovedì 17 luglio 2014**  
**ore 11:30**

Scuola Normale Superiore  
Pisa  
Aula Mancini

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Terrà un seminario dal titolo:

# **“Some results and problems about evolutions of geometric structures”**

**Abstract:**

*I will present some results, research lines and open problems about the subject of geometric evolutions, mainly focusing on the two most famous ones: the mean curvature flow of a hypersurface in the Euclidean space and the Ricci flow of a metric on a differential manifold, discussing also some "variations" of the latter, that we recently investigated.*

*I will discuss some topics that were part of our research in the last years, for instance, the analysis and classification of the self-similar solutions and of their generalizations, and the extensions of these flows to "singular" (non-smooth) objects.*

*Finally, if time allows, I will mention some results about the connections between the two flows, like an unified approach to singularity analysis and the study of their "coupling"*

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze