



Workshop on

Trends in Nonlinear Analysis

Cagliari, March 21-22, 2014

The workshop will take place in the Department of Mathematics and Computer Sciences
Via Ospedale 72, Cagliari

Friday March 21

morning	9:30-10:30	Verena Boegelein (Universität Erlangen-Nürnberg) <i>The obstacle problem for the porous medium equation</i>
	Coffee break	
	11:00-12:00	Frank Duzaar (Universität Erlangen-Nürnberg) <i>A variational approach to the total variation flow</i>
	12:00-13:00	Gabriele Bonanno (University of Messina) <i>A local Minimum theorem and its relations with the classical mountain pass theorem</i>
afternoon	15:00-15:30	Monica Marras (University of Cagliari) <i>Estimates of blow-up time for solutions to parabolic problems</i>
	15:30-16:00	Giuseppe Viglialoro (University of Cagliari) <i>Blow-up Phenomena in parabolic systems with gradient term</i>
	16:00-16:30	Pasquale Candito (University of Reggio Calabria) <i>Variational methods on finite dimensional Banach spaces an discrete problems</i>
	16:30-17:00	Antonio Iannizzotto (University of Verona) <i>Spectral properties of the fractional p-Laplacian and applications</i>
	17:00-17:30	Mariantonietta Farina (University of Cagliari) <i>Optimization of the principal eigenvalue under mixed boundary conditions</i>

Saturday March 22

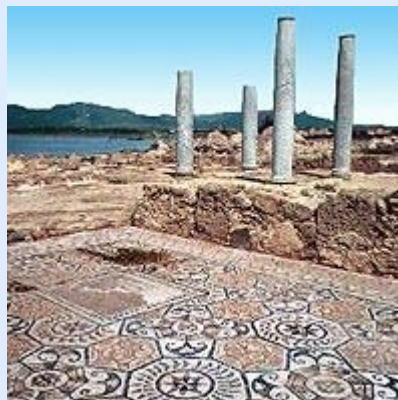
morning	9:30-10:30	Paolo Marcellini (University of Firenze) <i>Some explicit solutions to a system of implicit partial differential equations: rigid maps and origami</i>
	Coffee break	
	11:00-12:00	Giovanni Porru (University of Cagliari) <i>Estimates for boundary blow-up solutions in elliptic problems</i>
	12:00-13:00	Vincenzo Vespri (University of Firenze) <i>Sharp pointwise estimates for nonnegative solutions to a class of singular parabolic equations</i>

Organizing committee:

Francesco Ragnedda, Stella Piro-Vernier, Monica Marras (University of Cagliari).

Saturday March 22
afternoon:

h.15:00 trip to the Roman ruins of Nora



Nora (Cagliari)

h.20:30 social dinner

Sponsors:

INDAM (Istituto Naz. di Alta Matematica),
University of Cagliari, Department of Mathematics and Computer Sciences