INVITED SPEAKERS

DANIELE ANDREUCCI
Università La Sapienza di Roma, Italy

VIERI BENCI
Università degli Studi di Pisa, Italy

FABRICE BETHUEL
Université Pierre & Marie Curie - Paris 6, France

MICHEL CHIPOT
Universitat Zurich, Switzerland

DONATO FORTUNATO
Università degli Studi di Bari, Italy

JESÚS HERNÁNDEZ
Universidad Autonoma de Madrid, Spain

JEAN MAWHIN
Catholic University of Louvain, Belgium

PATRIZIA PUCCI
Università di Perugia, Italy

VICENTIU RADULESCU
King Abdulaziz University, Jeddah, Saudi Arabia

DUSAN REPOVS
University of Ljubljana, Slovenia

BIAGIO RICCERI
Università di Catania, Italy

SANDRO SALSA
Politecnico di Milano, Italy

CARLO SBORDONE
Università di Napoli Federico II, Italy

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Recent Trends on

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PHENOMENA

NOVEMBER 5-7, 2014
DEPARTMENT PAU

Wednesday, 5th November

9:30-9:45 Registration

9:45-10:15 Opening
Pasquale Catanoso - Rector of the University Mediterranea of Reggio Calabria
Simonetta Valtieri - Head of the PAU Department
Giovanni Molica Bisci - Member of the Organizing Committee

10:15-11:00 Jean Mawhin - The multiplicity of solutions of relativistic-type systems with periodic nonlinearities

11:00-11:30 Coffee break

11:30-12:15 Vieri Benci - Generalized solutions in PDE's and Non-Archimedean Mathematics

12:15-13:00 Carlo Sbordone - BMO - solvability of the Dirichlet problem for elliptic equations. Sharp results

Lunch at Atelier Hall

15:00-15:45 Daniele Andreucci - Optimal bounds and asymptotic behavior of porous-media like equations in non-compact domains

15:45-16:05 Luigi D'Onofrio - Bi-Sobolev homeomorphism with zero Jacobian almost everywhere

16:05-16:30 Coffee break

16:30-16:50 Francesco Tulone - Multiple Haar and Walsh series and generalized integrals

16:50-17:10 Binlin Zhang - Multiplicity results for some classes of fractional p-Laplacian problems

Thursday, 6th November

9:30-10:15 Sandro Salsa - Free-boundary problems of Stefan type: regularity issues and open problems

10:15-11:00 Fabrice Bethuel - Branched transportation and singularities of Sobolev maps between manifolds

11:00-11:30 Coffee break

11:30-12:15 Michel Chipot - Variational problems set on domains tending to infinity

12:15-13:00 Biagio Ricceri - A survey of some applications of certain minimax theorems

Lunch at Atelier Hall

15:00-15:45 Jesús Hernández - Positive and compact support solutions for some singular semilinear elliptic problems

15:45-16:05 Giovanni Anello - Elliptic problems with non Lipschitz nonlinearities: some recent results and open questions

16:05-16:30 Coffee break

16:30-16:50 Antonio Greco - Fractional convexity maximum principle

16:50-17:10 Piotr Rybka - Viscosity solutions for closed curves driven by a singular weighted mean curvature flow

18:00-19:00 Visit to **Bronzi di Riace**

21:00 Gala Dinner at 'Luna Ribelle' Restaurant

Friday, 7th November

9:30-10:15 Patrizia Pucci - Combined effects in Kirchhoff fractional elliptic problems with lack of compactness

10:15-11:00 Donato Fortunato - An abstract result for solitons and application to some nonlinear field equations

11:00-11:30 Coffee break

11:30-12:15 Vicentiu Radulescu - Variational analysis on fractals

12:15-13:00 Dusan Repovs - Elliptic problems on fractals

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Nonlinear phenomena arise in many different contexts such as geometry, physics, mechanics, economics, engineering, biology, life sciences, just to name a few. This conference aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of nonlinear phenomena.