Conference Schedule

TUESDAY 1 JUNE:

09:00-09:45      Registration
09:45-10:30     Opening ceremony
10:30-11:00     Coffee break

11:00-11:45  IRENA RACHŮNKOVÁ
Singular second-order boundary value problems on an unbounded domain

11:45-12:30  TOMÁS DOMÍNGUEZ BENAVIDES
Some generic properties in Nonlinear Analysis

12:30-14:00  Lunch

14:00-14:25  SERENA MATUCCI
Boundary value problems on the half line for nonlinear second order equations

14:25-14:50  ALEXANDER LOMTATIDZE
Three-point boundary value problem for second-order ODEs with singularities

14:50-15:15  FELIZ MINHÓS
Existence of extremal solutions for some fourth order functional BVPs

15:15-16:00  Working tea

16:00-16:25  GRZEGORZ LEWICKI
Contractive sets in Koethe-sequence spaces

16:25-16:50  GENARO LÓPEZ ACEDO
Equilibrium problems on Hadamard manifolds

16:50-17:15  VICTORIA MARTIN-MARQUEZ
Iterative Approaches to the Multiple-Sets Split Feasibility Problem

17:15-17:40  WENMING BIAN
Generalized gap metric and robust stability of nonlinear systems
WEDNESDAY 2 JUNE:

09:00-09:45 Allan Peterson  
*An Introduction to Discrete Fractional Calculus*

09:45-10:30 Charles Stuart  
*Global branches of stable standing waves for the NLS*

10:30-11:00 Coffee break

11:00-11:45 Alberto Cabada  
*Lower and Upper Solutions in the Theory of Second Order Differential Equations with Nonlinear Boundary Value Conditions*

11:45-12:30 Luigi De Pascale  
*The Monge Problem in $\mathbb{R}^d$*

12:30-14:00 Lunch

14:00-14:25 Felix Sadyrbaev  
*On a nonlinear spectral problem with the integral condition*

14:25-14:50 François Genoud  
*Nonlinear Schrödinger Equations with a Spatial Dependency: Some Bifurcation and Stability Results*

14:50-15:15 Ratnasingham Shivaji  
*Diffusive Logistic Equation With Nonlinear Boundary Conditions*

15:15-16:00 Working tea

16:00-16:25 Paco Villarroya  
*Global estimates for the Schrödinger maximal operator*

16:25-16:50 Marco Spadini  
*The degree of a tangent vector field: some applications to periodic problems for ODEs*

16:50-17:15 Alessandro Calamai  
*Branches of harmonic solutions for a class of periodic differential-algebraic equations*

17:15-17:40 Halis Yilmaz  
*Laplace Maps for Constructing Exact Solutions of Evolution Equations*
THURSDAY 3 JUNE:

09:00-09:45  Jean Mawhin  
*Periodic solutions of some relativistic oscillators: an almost variational approach*

09:45-10:30  Marius Mitrea  
*Geometric Analysis and Partial Differential Equations: The Role of Boundary Oscillations*

10:30-11:00  Coffee break

11:00-11:45  Nigel Mottram  
*Nonlocal effects in models of liquid crystal materials*

11:45-12:30  John F. Toland  
*Surface Waves on Steady Perfect-Fluid Flows with Vorticity - a Free Boundary Problem*

12:30-14:00  Lunch

14:00-14:25  Adam McBride  
*An application of semigroups of operators in locally convex spaces*

14:25-14:50  John Baxley  
*Existence of Solutions for Two Classes of Singular Nonlinear Third Order BVPs*

14:50-15:15  Zuzana Došlá  
*Asymptotic problems for differential equations with bounded Phi-Laplacian*

15:15-16:00  Working tea

16:00-16:25  Susana Gutierrez  
*Vortex dynamis and 1D Cubic Nonlinear Schrödinger equations: Singularity formation*

16:25-16:50  Pierluigi Benevieri  
*Retarded functional differential equations on manifolds*

16:50-17:15  David Rule  
*A sharp theorem regarding rough pseudo-differential operators*

17:15-17:40  Lyonell Boulton  
*A spectral method for the p-Poisson equation*
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tr>
<td>09:00-09:45</td>
<td>John M. Ball</td>
<td>Good boundary directions and topologically equivalent smooth approximations of rough domains</td>
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<tr>
<td>09:45-10:30</td>
<td>Raúl Manásevich</td>
<td>Some results on existence of radial positive solutions to a p-q Laplace system in the subcritical case</td>
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<td>10:30-11:00</td>
<td>Coffee break</td>
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<tr>
<td>11:00-11:45</td>
<td>Bryan Rynne</td>
<td>Some recent results on the spectral properties of p-Laplacian problems with Dirichlet, Neumann and mixed-type multi-point boundary conditions</td>
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<td>11:45-12:30</td>
<td>Alfonso Vignoli</td>
<td>A new spectral theory for nonlinear operators</td>
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<td>12:30-14:00</td>
<td>Lunch</td>
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<td>14:00-14:25</td>
<td>Spyridon Dendrinos</td>
<td>Sharp local Fourier restriction for finite type curves with affine arclength</td>
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<td>14:25-14:50</td>
<td>Michael Grinfeld</td>
<td>Uniqueness in the Freedericksz transition with weak anchoring</td>
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<td>14:50-15:15</td>
<td>Milan Tvrdý</td>
<td>A generalized anti-maximum principle for the periodic one dimensional p-Laplacian</td>
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<td>15:15-16:00</td>
<td>Working tea</td>
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<td>16:00-16:45</td>
<td>John R. Graef</td>
<td>Estimates to Positive Solutions of a Fourth Order Boundary Value Problem and their Applications</td>
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<td>16:45-16:55</td>
<td>Closing of the meeting</td>
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POSTER PRESENTATIONS:

Martin Burns
Steady State Solutions of a Bistable Quasilinear Equation

Rubén Figueroa
Coupled fixed points of multivalued operators and first-order ODEs with state-dependent deviating arguments

Jackie Harjani
Positive and nondecreasing solutions to singular boundary value problem for nonlinear fractional differential equation

Kyriakos Mavridis
Two modifications of the Leggett-Williams fixed point theorem and their applications

Lukáš Rachůnek
Strictly increasing solutions of non-autonomous difference equations arising in hydrodynamics