Recent Advances in Nonlinear PDE (UNE July 16-21, 2006): Schedule

Sunday 16 July

Registration

This will be rather informal. Make sure you receive your information package from Mary White College or the Hotel after arrival.

Reception

7:30-9:30pm, Room 213 (Common Room), Mathematics and Computer Science Building (after your dinner at Mary White College).

Monday 17 July

Time	Speaker	Title
7:45-8:30am		**Breakfast** (Mary White College)
8:45-9am		**Opening ceremony**
9-9:45am	H. Amann	Parabolic Equations on Singular Manifolds
9:45-10:30am	T. Bartsch	Nodal Solutions of Semilinear Boundary Value Problems
10:30-11am		**Tea Break** (Tea and Coffee in Common Room)
11-11:45am	J. Chabrowski	The Neumann Problem with Critical Sobolev Exponent
11:45-12:30pm	N. Hirano	Multiple Existence of Solutions for a Nonhomogeneous Elliptic Problem on R^N
12:30-2pm		**Lunch** (Mary White College)
2-2:45pm	C. Stuart	Hadamard Differentiability and Bifurcation
2:45-3:30pm	S. Rybicki	Global Bifurcations of Solutions of Elliptic Systems
3:30-4pm		**Tea Break** (Common Room)
4-4:45pm	F. Cirstea	On Some Nonlinear Elliptic Problems With Boundary Blow-up
4:45-5:15pm	Y.C. Ma	Local and Parallel Finite Element Algorithms Based on Two-grid Discretization for the Navier-Stokes Equations
6-8pm		**Dinner** (Mary White College)

Tuesday 18 July

Time	Speaker	Title
7:45-8:30am		**Breakfast** (Mary White College)
9-9:45am	Y. Long	Closed Characteristics on Convex Hypersurfaces in R^6
9:45-10:30am	M. Hieber	Quasilinear Systems with Mixed Boundary Conditions
10:30-11am		**Tea Break** (Tea and Coffee in Common Room)
11-11:45am	D. Hilhorst	A Reaction-Diffusion System Describing Tissue Degradation By Bacteria
11:45-12:30pm	M.-C. Hong	Stability on Bi-harmonic Maps into Spheres
12:30-2pm		**Lunch** (Mary White College)
2-2:45pm	J. Wei	On Some Supercritical Problems
2:45-3:30pm	M. Grossi	Existence Results for the Brezis-Nirenberg Problem in the Supercritical Case
3:30-4pm		**Tea Break** (Common Room)
4-4:45pm	E.H. Kim	Degenerate Elliptic Free Boundary Problems
4:45-5:15pm	J. Kennedy	Uniqueness in the Faber-Krahn Inequality for Robin Problems
6-8pm		**Dinner** (Mary White College)

Wednesday 19 July

Time	Speaker	Title
7:45-8:30am		**Breakfast** (Mary White College)
9-9:45am	A. McIntosh	Hardy Spaces of Differential Forms on Riemannian Manifolds
9:45-10:30am	P. Miao	A Note on 3-dimensional Positive Ricci Curvature Metrics with Relatively Large Volume
10:30-11am		**Tea Break** (Tea and Coffee in Common Room)
11-11:45am	M. Athanassenas	Recent Developments in Capillarity
11:45-12:30pm	J. Grotowski	Two-Dimensional Harmonic Map Heat Flow vs. 4-dimensional Yang-Mills Heat Flow
12:45-5:30pm		**Excursion** (Dangars Falls)
6-8pm		**Dinner** (Mary White College)

Thursday 20 July

Time	Speaker	Title
7:45-8:30am		**Breakfast** (Mary White College)
9-9:45am	N. Trudinger	Recent developments in elliptic partial differential equations of Monge-Ampere type
9:45-10:30am	K. Zhang	The Existence of Perona-Malik Equation
10:30-11am		**Tea Break** (Tea and Coffee in Common Room)
11-11:45am	G. Schmalz	CR-Manifolds, Differential Equations and Multicontact Structures
11:45-12:30pm	H.J. Kuo	On the Fully Nonlinear Elliptic Difference Equations
12:30-2pm		**Lunch** (Mary White College)
2-2:45pm	X.J. Wang	Fully Nonlinear PDEs and Applications in Geometry
2:45-3:30pm	J. McCoy	Bernstein Property for a class of Monge Ampere Equations
3:30-4pm		**Tea Break** (Common Room)
4-4:45pm	N. Chaudhuri	On Improved Hardy-Sobolev Inequality and Its Applications to PDEs with Singular Potentials
4:45-5:15pm	J. Janczewska	Stable and unstable bifurcation in the von Karman problem for a circular plate
5:15-5:45pm	T. Weston	Analysis of Group Structures Induced By Uniform Homeomorphisms
6:30-8:30pm		**Conference Dinner** (Mary White College)

Friday 21 July

Time	Speaker	Title
7:45-8:30am		**Breakfast** (Mary White College)
9-9:45am	P. Bates	Invariant Manifolds of Spikes
9:45-10:30am	P. Polacik	On a Threshold Behavior in Parabolic Equations on R^N
10:30-11am		**Tea Break** (Tea and Coffee in Common Room)
11-11:45am	A. Harris	Embedding J-Holomorphic Cylinders Asymptotic to a Reeb Orbit of Elliptic Type
11:45-12:30pm	M. Izydorek	Multiple solutions of strongly indefinite elliptic systems
12:30-2pm		**Lunch** (Mary White College)
2-2:45pm	A. Pistoia	On the Existence of Sign Changing Solutions to Some Critical Problems
2:45-3:30pm	P. Portal	Beyond Calderon-Zygmund theory in Bochner spaces
3:30-4pm		**Closing ceremony**
4-4:30pm		**Tea Break** (Common Room)
6-8pm		**Dinner** (Mary White College)