

# 12th Americas Conference on Differential Equations and Nonlinear Analysis

Time	<i>Monday, 9</i>				<i>Tuesday, 10</i>				<i>Wednesday, 11</i>				<i>Thursday, 12</i>				<i>Friday, 13</i>			
	Room: Auditorium José Ángel Canavati Ayub				Room: Auditorium		Room: D604		Room: Auditorium		Room: D604		Room: Auditorium		Room: D604		Room: Auditorium		Room: D604	
9:00 - 9:30	<b>Registration</b>				<b>Course:</b> Geometric regularity theory for (nonlinear) partial differential equations. Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		<b>Course:</b> Computer assisted proofs in differential equations. Marcio Gameiro Rutgers University		<b>Course:</b> Geometric regularity theory for (nonlinear) partial differential equations. Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		<b>Course:</b> Computer assisted proofs in differential equations. Marcio Gameiro Rutgers University		<b>Course:</b> Geometric regularity theory for (nonlinear) partial differential equations. Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		<b>Course:</b> Computer assisted proofs in differential equations. Marcio Gameiro Rutgers University		<b>Course:</b> Geometric regularity theory for (nonlinear) partial differential equations. Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		<b>Course:</b> Computer assisted proofs in differential equations. Marcio Gameiro Rutgers University	
9:30 - 10:30	<b>Inaguration</b>				Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		Marcio Gameiro Rutgers University		Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		Marcio Gameiro Rutgers University		Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		Marcio Gameiro Rutgers University		Edgard Pimentel Pontificia Universidade Católica do Rio de Janeiro		Marcio Gameiro Rutgers University	
10:30 - 11:00	Coffee								Coffee				Coffee							
11:00 - 12:00	Room: Auditorium <b>Plenary Talk</b>				Room: Auditorium <b>Plenary Talk</b>				Room: Auditorium JAA <b>Plenary Talk</b>				Room: Auditorium <b>Plenary Talk</b>				Session			
	Ground states and a-priori bounds for solutions of nonlinear elliptic equations involving a gradient term  Marta Garcia-Huidobro, Pontificia Universidad Católica de Chile				Mean Field Analysis and the Dynamics of Large Networks of Neurons  Sue Ann Campbell, University of Waterloo				On hierarchical control of parabolic equation  Luz de Teresa, Instituto de Matemáticas, Universidad Nacional Autónoma de México				Branching Brownian motion with selection and a free boundary problem  Sarah Penington, University of Bath				Diego Bricio	Room: G001	Room: G002	Room: G003
12:00-13:00	Survey session Room: Auditorium				Survey session Room: Auditorium				Survey session Room: Auditorium				Sell Lecture Room: Auditorium				Delay differential equations	Fluid dynamics	Dynamical systems and probability	Conservation laws and hyperbolic PDE's.
	Gamma convergence and asymptotic behavior for eigenvalues of nonlocal problems  Julian Fernández Bonder				On the exact controllability and stabilization for the Benney-Luke equation  José Quintero				Blow up method for existence and non-existence of radial solutions for systems of quasilinear equations with weight, a revision  Raúl Manasevich				Noise Impacts on Dynamical Systems  Yingfei Yi							
	Lunch				Lunch				Lunch				Lunch							
15:30	Session				Session				Session				Room: Auditorium							
	Diego Bricio	Room: G001	Room: G002	Room: G003	Diego Bricio	Room: G001	Room: G002	Room: G003	Diego Bricio	Room: G001	Room: G002	Room: G003	<b>Plenary Talk</b>							
16:30	Control theory.	Geometric methods in differential equations.	Variational methods and elliptic PDE's.	Traveling waves in biology.	Control theory.	Geometric methods in differential equations.	Variational methods and elliptic PDE's.	Conservation laws and hyperbolic PDE's.	Delay differential equations	Geometric methods in differential equations.	Dynamical systems and probability	Fluid dynamics	<b>Ergodic theory of the stochastic Burgers equation</b>							
17:30													<b>Yuri Bakhtin, Courant Institute of Mathematical Sciences, New York University</b>							
17:30 - 18:00	Coffee				Coffee				Coffee				Coffee							
18:00 19:00	Survey session Room: Auditorium				Survey session Room: Auditorium				Survey session Room: Auditorium				Room: Auditorium <b>Plenary Talk</b>							
	The Morse-decomposition of some non-autonomous problems  Alexandre Carvalho				Large time behavior of solutions to diffusion problems (local, non-local and non-linear)  Noemi Wolanski				Global existence versus singularities for incompressible fluid interfaces  Diego Córdoba, Instituto de Ciencias Matemáticas											
19:00 - 21:00	Welcome Party Terrace D601												Banquet Terrace D601							