UMALCA
Unión Matemática de América Latina y el Caribe
III CLAM - Santiago Chile - 2009

FRIDAY, SEPTEMBER 4 – UNIVERSIDAD DE SANTIAGO DE CHILE

TIME	PLACE	TITLE	SPEAKER
8:30 -9:40	Aud. Froemel	Probabilistic and dynamical aspects of left-orderable groups	**Andrés Navas**
	Aud. Quezada	Imaging with waves in homogeneous and random media	**Josselin Garnier**
9:45 – 10:55	Aud. Froemel	Orbifolds, Fields Theories and Strings: A Mathematical Perspective	**Ernesto Lupercio**
	Aud. Quezada	Self-similar Groups, Dynamical Systems and Algebras	**Laurent Bartholdi**
10:55 – 11:10	**Coffee Break**		
11:10 – 12:00	Aud. Froemel	On the global behavior of solutions to critical nonlinear dispersive and wave equations	**Carlos Kenig**
12:30 – 14:00	**Lunch**		
14:00 - 14:50	Aud. Froemel	Role of Movement and Dispersal on Disease Dynamics and Evolution with Applications to Influenza and Other Diseases	**Carlos Castillo Chavez**
	Aud. Quezada	Orbifold string topology	**Bernardo Uribe**

15:00- 15:30	Aud. Froemel	Automorphisms of Handlebodies	Special Invitation: Ruben Hidalgo
	Room A	Periods and generating functions in Algebraic Geometry	Algebraic Geometry: Hossein Movasati
	Room B	Combinatorial Algebraic Topology	Topology: Dmitry Kozlov
	Room C	Weighted inequalities for the two-dimensional one-sided hardy-littlewood maximal function	Analysis: Liliana Forzani
	Room D	Partitions versus sets duality, an application to treewidth	Combinatorics: Stephan Thomasse
15:30 -16:00	Aud. Froemel	Aging scaling limit for trap models and K-processes	Prob. & Statistics: Luiz Renato Fontes
	Room A	Subvarieties of small codimension	Algebraic Geometry: Enrique Arrondo
	Room B	Aharonov-Bohm Effect and Scattering Theory	Mathematical Physics: Ricardo Weder
	Room C	C^{α}-Holder classical solutions for non-autonomous neutral differential equations	Analysis: Eduardo Hernández
	Room D	A measure-theoretic approach to the theory of dense hypergraphs	Combinatorics: Gabor Elek

16:00 – 16:20	**Coffee Break**		
16:20 – 16:50	Aud. Froemel	On the support of solutions for the Ostrovsky Equation	Partial Differential Equations: **Pedro Isaza**
	Room A	Symmetric and skew-symmetric elements in group algebras	Algebra: **Francisco César Polcino Milies**
	Room B	On the spectrum of the twisted Dolbeault Laplacian on Kahler manifolds	Mathematical Physics: **Marcos Jardim**
	Room C	Mathematical and Computational Challenges in Climate Modeling	Math. in Science and Tech: **Pedro L. da Silva Dias**
	Room D	Monodromy of singularities of holomorphic foliations in the plane	Complex Dynamics: **David Marin**
17:00 - 17:30	Aud. Froemel	Homogenization of degenerate porous medium type equations in ergodic algebras	Partial Differential Equations: **Hermano Frid**
	Room A	Finite groups arising from involutive non-degenerate set-theoretic solutions of the Yang-Baxter equation	Algebra: **Ángel Del Río Mateos**
	Room B	The many faces of integrability in random matrix models	Mathematical Physics: **Patrick Desrosiers**

	Room C	Mathematical modeling of extraction of copper from a deposit by using in situ leaching technology	Math. in Science and Tech: **C. Conca / J. San Martín**
	Room D	Skew-product complex dynamics	Complex Dynamics: **Mario Ponce**
17:40 - 18:10	Aud. Froemel	The trace of the resolvent of an elliptic cone operator	Partial Differential Equations: **Gerardo Mendoza**
	Room A	Structure and representations of alternative superalgebras	Algebra: **Ivan Shestakov**
	Room B	Eigenvalue statistics for random Schrödinger operators	Mathematical Physics: **François Germinet**
	Room C	A Web-Services accessible turbulence database of isotropic turbulence and sample application	Math. in Science and Tech: **Charles Meneveau**
	Room D	Multi-summability of unfoldings of tangent to the identity diffeomorphisms	Complex Dynamics: **Javier Ribon**
18:20 -18:50	Aud. Froemel	A free boundary problem for the $p(x)$-laplacian	Partial Differential Equations: **Noemi Wolanski**
	Room D	Topological aspects of a holomorphic vector field singularity	Complex Dynamics: **Rudy Rosas**