

## TUESDAY, SEPTEMBER 1 – UNIVERSIDAD DE SANTIAGO DE CHILE

TIME	PLACE	TITLE	SPEAKER
8:30 -9:40	Aud. Froemel	Probabilistic and dynamical aspects of left-orderable groups	<b>Andrés Navas</b>
	Aud. Quezada	Imaging with waves in homogeneous and random media	<b>Josselin Garnier</b>
9:45 – 10:55	Aud. Froemel	Orbifolds, Fields Theories and Strings: A Mathematical Perspective	<b>Ernesto Lupercio</b>
	Aud. Quezada	Self-similar Groups, Dynamical Systems and Algebras	<b>Laurent Bartholdi</b>
10:55 – 11:10	<b>Coffee Break</b>		
11:10 – 11:40	Aud. Froemel	Isotopy problems for manifolds with positive curvature	UMALCA Special Mention : <b>Fernando Codá Marques</b>
11:45 - 12:15	Aud. Froemel	On the Alekseevskii's conjecture for Einstein homogeneous manifolds	UMALCA Special Mention : <b>Jorge Lauret</b>
12:15-12:30	Aud. Froemel	Actividad del CIMPA en América Latina	<b>Andrea Solotar</b>
12:30 – 14:00	<b>Lunch</b>		
14:00 - 14:50	Aud. Froemel	Complex singularities and contact topology	<b>Patrick Popescu-Pampu</b>
	Aud. Quezada	Macroscopic sensitivity to localized defects in a class of growth models	<b>Maria Eulália Vares</b>

<b>15:10 16:00</b>	Aud. Froemel	Fractal geometry, Dynamical Bifurcations and Diophantine Approximations	UMALCA Prize Lecture : <b>Carlos Gustavo Moreira</b>
<b>16:00 – 16:20</b>	<b>Coffee Break</b>		
<b>16:20 – 16:50</b>	Aud. Froemel	Global dominated splitting or zero Lyapunov exponent almost everywhere	Dynamical Systems: <b>Jairo Bochi</b>
	Room A	On Heisenberg-like supergroups	Lie Theory: <b>Adolfo Sanchez Valenzuela</b>
	Room B	Einstein Metrics, Complex Surfaces, and Symplectic 4-Manifolds	Geometry: <b>Claude Le Brun</b>
	Room C	Very fast methods and preconditioners for banded matrices and PDEs on irregular domains	Numerical Analysis: <b>Daniel B. Szyld</b>
	Room D	Projective splitting methods for the sum of monotone operators and the hybrid proximal-projection method	Optimization & Control: <b>Benar Svaiter</b>
<b>17:00 - 17:30</b>	Aud. Froemel	Positive topological entropy for generic geodesic flows	Dynamical Systems: <b>Gonzalo Contreras</b>
	Room A	Matrix valued special functions	Lie Theory: <b>Juan Alfredo Tirao</b>
	Room B	The hyperbolic lattice point problem	Geometry: <b>Roberto Miatello</b>
	Room C	Solving Efficiently Robust Semiimplicit Discretizations of the Immersed Boundary Method	Numerical Analysis: <b>Hector D. Ceniceros</b>

	Room D	Characterization of Fractured Oil Reservoirs with Global Optimization	Optimization & Control: <b>Susana Gomez</b>
<b>17:40 - 18:10</b>	Aud. Froemel	Non-hyperbolicities	Special Invitation: <b>Lorenzo Díaz</b>
	Room A	Gelfand-Kirillov Conjecture for finite W-algebras	Lie Theory: <b>Vyacheslav Futorny</b>
	Room B	Geometry of unitaries in a finite algebra: variation formulas and convexity	Geometry: <b>Lazaro Recht</b>
	Room C	Optimal error estimation for <b>H(curl)</b> -conforming p-interpolation in two dimensions	Numerical Analysis: <b>Norbert Heuer</b>
	Room D	State-closed groups	Special Invitation: <b>Said Sidki</b>
<b>18:20 18:50</b>	Aud. Froemel	Galois coverings of finite dimensional algebras	Algebra: <b>José Antonio de la Peña</b>
	Room A	On Knots with ICON surfaces	Special Invitation: <b>Mario Eudave</b>
	Room B	Conformal Killing graphs with prescribed mean Curvature	Geometry: <b>Marcos Dajczer</b>
	Room C	An adaptive finite element method for shape optimization problems	Numerical Analysis: <b>Pedro Morin</b>
	Room D		