

THURSDAY, SEPTEMBER 3 – 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	Rigidity results in cellular automata theory: probabilistic and ergodic approach	UMALCA Prize Lecture: Alejandro Maass
12:30 – 14:00	Lunch		
14:00 - 14:50	Aud. Froemel	Harmonic Analysis related to Schrödinger operators	Eleonor Harboure
	Aud. Quezada	Statistical properties of real and complex one-dimensional dynamical systems	Juan Rivera-Letelier
15:10- 16:00	Aud. Froemel	Some problems in hyperbolic and partially hyperbolic dynamics	UMALCA Prize Lecture: Federico Rodriguez Hertz

16:00 – 16:20	Coffee Break		
16:20 – 16:50	Aud. Froemel	Variational Methods in Imaging	Partial Differential Equations: Irene Fonseca
	Room A	Groups and algebras associated to holomorphic dynamical systems	Algebra: Volodymyr Nekrashevych
	Room B	On the Geometry of Hamilton-Jacobi equation	Mathematical Physics: David Martin de Diego
	Room C	Mathematical engineering research in clarifier-thickener modelling	Mathematics in Science and Tech: Raimundo Bürger
	Room D	Inverse limits in holomorphic dynamics	Complex Dynamics: Carlos Cabrera
17:00 - 17:30	Aud. Froemel	On the uniqueness of sign changing solutions of semilinear equations	Partial Differential Equations: Carmen Cortázar
	Room A	Construction of Weil representations for *-classical groups using Bruhat presentations	Lie Theory: José Pantoja
	Room B	Framed sheaves on projective surfaces	Mathematical Physics: Ugo Bruzzo
	Room C	Mathematics in Computed Tomography.	Math. in Science and Tech: Matías Courdurier

	Room D	Dimension of the limit set of a plane holomorphic foliation	Complex Dynamics: Bertrand Deroin
17:40 - 18:10	Aud. Froemel	Entropy maximizing measures for some partially hyperbolic systems	Dynamical Systems: Federico Rodríguez Hertz
	Room A	Formal multiplications, bialgebras of distributions and non associative Lie theory	Lie Theory: José María Pérez Izquierdo
	Room B	Harmonic Mappings and Conformal Parametrizations of Minimal Surfaces	Geometry: Martín Chuaqui
	Room C	Numerical Analysis of a Residual Local Projection Method for the Darcy Equation	Numerical Analysis: Frederic Valentin
	Room D	On regularization methods of EM-Kaczmarz type	Optimization & Control: Antonio Leitão
18:20- 18:50	Aud. Froemel	Simplicity and fragmentation	Dynamical Systems: Frederic Le Roux
	Room B	Constant mean curvature hypersurfaces in Riemannian manifolds	Geometry: Frank Pacard
	Room C	Fuel Cells: Electrochemistry and Fluid Dynamics	Numerical Analysis: L. Héctor Juárez V.
	Room D	Computational Noise in Simulation-Based Optimization Problems	Optimization & Control: Jorge Moré