

Program

Full Abstracts available from:

<http://ima.ucv.cl/wp-content/uploads/2014/09/abstracts.pdf>

Tuesday 6

10.00-11.00 **Pierre Guiraud**

Applications and asymptotic dynamics of piecewise contracting maps

11.00-11.30 Coffee Break

11.30-12.30 **Hinke Osinga**

Computing global invariant manifolds: Techniques and applications

12.30-14.30 Lunch

14.30-15.00 **Seth Chart**

Functional norms for generalized bakers transformations

15.00-15.30 **Mauricio Caviedes**

Chaos in a mathematical model of a cold-sensitive nerve-ending

15.45-16.45 **Bernd Krauskopf**

Global manifolds and the transition to chaos in the Lorenz system

16.45-17.15 Coffee Break

17.15-18.15 **Andrés Navas**

The Ghys-Sullivan and Hector conjectures

18.15-19.00 Welcome Reception

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Wednesday 7

10.00-11.00 **Jennifer Creaser**

The Lorenz system near the loss of the foliation condition

11.00-11.30 Coffee Break

11.30-12.30 **Bernardo San Martín**

Existence of centrally contractive Lorenz attractors

12.30-14.30 Lunch

14.30-15.00 **José Mujica**

Invariant and slow manifolds in the singular Hopf bifurcation

15.00-15.30 **Andrus Giraldo**

Global invariant manifolds near a homoclinic flip bifurcation

15.45-16.45 **Peter Langfield**

Interactions of forward- and backward-time isochrons

16.45-17.15 Coffee Break

17.15-18.15 **Francisco Valenzuela**

Stability of complex Hénon maps

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Thursday 8

10.00-11.00 **Stefanie Hittmeyer**

Interacting invariant sets in a 2D noninvertible map model

11.00-11.30 Coffee Break

11.30-12.30 **Juan Rivera-Letelier**

Thermodynamic formalism of one-dimensional dynamical systems

12.30-14.30 Lunch

14.30-15.00 **Diego Sanhueza**

Lyapunov exponents

15.00-15.30 **Nelda Jaque**

On the dynamics of impulsive semiflows

15.45-16.45 **Rua Murray**

Approximation of invariant measures: Ulam's method and beyond

16.45-17.15 Coffee Break