

Tentative program

Tuesday June 28th

9h20 Opening lecture by **Otto Rössler**
(Tübingen University, Germany)
*Chaos Hierarchy : a review thirty
years later*

10h05 Coffee Break

10h35 **Christian Mira** (Toulouse)
A Toulouse research group in the "prehistoric" times of chaotic dynamics

11h20 **Jorge Tredicce** (Institut Non Linéaire de Nice, France)
The true story about Alice in Stretch and Squeezeland

12h15 Lunch

14h00 **Joan Birman** (Barnard College-Columbia University)
Lorenz Knot

14h45 **Robert Gilmore** (Drexel University, Philadelphia)

15h30: **Hernan Solari** (Universidad de Buenos Aires, Argentina)
Part I : *The master's use of the lapis philosophorum : Turning ignorance into a great
project* (circa 1987)
Part II : *Devil's advocate. Report from latest missions* (circa 2011)

16h15 Tea Break

16h45: **Mario Natiello** (Lunds Universitet, Sverige)
A braided view of a knotty story

17h30 **Juan Carlos Martin** (Universidad de Zaragoza, Spain)
Chaotic lasers in Zaragoza

18h00 **Sifeu Kingni** (Vrije Universiteit Brussel, Belgium)
Dynamical behavior of a semiconductor ring laser with optoelectronic feedback

18h30: End of the first day



Wednesday June 29th

9h00 : departure in Bus from Rouen to “La ferme de Bray”

10h00: **Coffee Break**

10h30: **Ronald Mickens** (Atlanta University, USA)

Preliminary Results on the Properties of Solutions to the Leah-ODE : $x'' + x^{1/3} = 0$

11h15: **René Lozi** (Université de Nice-Sophia Antipolis, France)

Can we trust in numerical solutions of nonlinear dynamical systems?

12h00: **Lunch**

14h00: **Jacob Katriel** (Israel Institute of Technology, Haifa)

On Madelung's rule for atoms in their ground state, and on Hund's rule for doubly excited atoms

14h45 **Nicholas Tuffilaro** (Oregon State University, USA)

Dynamics of Ocean color

15h30 **Ricardo Lopez-Ruiz** (Zaragossa University, Spain)

Models for the decay toward equilibrium in some statistical systems

16h00: **Tea Break**

16h30 **Claudia Lainscsek** (Salt Lake Institute, San Diego, USA)

17h00 **Sylvain Mangiarotti** (CESBIO, Toulouse)

A 3-dimensional chaotic jerk model for the dynamics of rainfed wheat in semi-arid regions

17h30: Visite of place

18h30: Cocktail dinatoire

20h30: Departure from “La ferme de Bray” by bus.

Thursday June 30th

10h00 **Marc Lefranc** (PHLAM, Université de Lille)
Reflections from the fourth dimension

10h45 **Christophe Letellier** (Rouen University, France)
The Symmetry of Chaos

11h30 **Daniel Cross** (Bryn Mawr College)
Representation Theory of Dynamical Systems

12h00 **Timothy Jones** (Drexel University, Philadelphia)
New tools in the visualization of strange attractors

12h30 **Lunch**

14h15 **Jean-Marc Ginoux** (Lab. Protee, Université Var-Toulon)
Henri Poincaré's legacy in Dynamical Systems

15h00 **Martin Rosalie** (CORIA - Université de Rouen, France)
Topology of toroidal chaos. A first step

15h30 **Dalila Amroun-Aliane** (Université Houari Boumediene, Alger, Algeria)
A link between defects in spatiotemporal diagrams and observability

16h00 *Coffee break*

16h30 **Claire Gilmore** (King's College, Boston)
The Chaotic Marriage of Physics and Financial Economics

17h15 **Keith Gilmore** (Lawrence Berkeley National Lab., Berkeley)
Damped expectations: The origin and role of dissipation in magnetization dynamics

19h00: **Rouen City Center Tour**

20h00: **Closing Banquet**

Scientific Committee

Aziz Alaoui (Professor at Le Havre University)

Marc Lefranc (Professor at Lille University)

Christophe Letellier (Professor at Rouen University)

Otto Rössler (Professor at Tübingen University, Germany)