

**4<sup>th</sup> QUADRIENNAL INTERNATIONAL CONFERENCE ON DYNAMICAL SYSTEMS**  
**IMPA, Rio de Janeiro, July 29 - August 8, 1997**

**PARTIAL TENTATIVE PROGRAMME - 1<sup>st</sup> WEEK**  
**AUDITORIUM "RICARDO MAÑÉ"**

DAY TIME	July 29 - TUESDAY	July 30 - WEDNESDAY	July 31 - THURSDAY	August 1 - FRIDAY
9:00 9:45	<b>M. Lyubich</b> (SUNY, NY) <i>Regular and stochastic dynamics in the real quadratic family</i>	<b>J.C. Yoccoz</b> (Collège de France) <i>Modular aspects of the Brjuno function</i>	<b>D. Ruelle</b> (IHES) <i>Nonequilibrium statistical mechanics and hyperbolic dynamics</i>	<b>F. Takens</b> (Groningen Univ.) <i>Application of methods of non- linear time series analysis to fluid bed data</i>
10:00 10:45	<b>M. Herman</b> (Univ. Paris VII) <i>Existence of invariant circles and invariant tori for Hamiltonian systems with a torsion condition</i>	<b>C.G. Moreira</b> (IMPA) <i>Cantor sets and dynamical spectra</i>	<b>O. Kozłowski</b> (Univ. of Amsterdam) <i>Axiom A maps are dense in the space of <math>C^k</math> unimodal maps</i>	<b>J. Sotomayor</b> (IME/USP) <i>Critical bifurcations of three dimensional vector fields with a first integral</i>
11:00 11:45	<b>E. de Faria</b> (IME/USP) <i>Rigidity of critical circle mappings</i>	<b>E. Pujals</b> (UFRJ) <i>Transitivity and partial hyperbolicity</i>	<b>R. Markarian</b> (Univ. Montevideo) <i>Conditionally invariant measures for Anosov maps with small holes</i>	<b>E.C. Zeeman</b> (Oxford Univ.) <i>Geometric unfolding of a difference equation</i>
11:45 14:30	<b>L U N C H</b>			
14:30 17:15	<b>PARALLEL SESSIONS</b>			
17:30 18:15	<b>R. MacKay</b> (Cambridge Univ.) <i>Discrete breathers</i>	<b>M. Shub</b> (IBM, Watson, NY) <i>Stable ergodicity and julienne quasi-conformality</i>	<b>M. Viana</b> (IMPA) <i>Ergodic properties of partially hyperbolic systems</i>	<b>D. Szasz</b> (Hungarian Ac.Sc) <i>Ball avoiding theorems</i>