



# DYNAMICS DAYS SOUTH AMERICA 2010

International Conference  
on Chaos and Nonlinear Dynamics

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July 26-30, 2010

• Applications in Engineering and Nanoscience • Applications of Dynamical Systems in Medicine and Health Sciences • Applications of Nonlinear Sciences • Astrodynamics • Bifurcation theory and analysis • Celestial Mechanics • Chaos in Hamiltonian Systems • Chaotic Dynamics • Climate Dynamics • Collective Phenomena • Communication with Chaos • Complex Dynamics in Chemical Systems • Complex Networks • Control of Chaos and applications • DNA Translocation Dynamics • Dynamics of Biosystems • Dynamics of Granular Materials • Fluid Dynamics, Plasma and Turbulence • Formation and Dynamics of Patterns • Neuronal Dynamics • Optoelectronic and Granular Matter • Population Dynamics and Epidemiology • Self-organization • Stochastic Dynamics • Synchronization • Time series analysis