

First day - December 1				
Morning				
Time	Speaker	Title	Speaker	Title
08:30-8:50	Registration + UCN Pandemic protocol			
Opening				
09:00-09:40	Constantino Tsallis	Plenary talk - Connection between random networks and nonextensive statistical mechanics		
09:40-10:00	Alessandro Santoni	Spin-Statistics Connection in the context of Very Special Relativity	Navane Garcia	Analysis of Oscillatory Time series using the visibility graph method
10:00-10:20	Claudio Michea	Langevin equation for the collective degrees of freedom of a binary astrophysical system	Rodrigo Ovarce	LMC Complexity analysis for Weibull Distributions
10:20-10:40	Coffee Break			
10:40-11:00	Miguel Garcia Ariza	Curvature of Ruppeiner geometry in different parameterizations	Verónica Subieta	Complex networks approach for studying polarization in different social groups
11:00-11:25	Michael Parker	Jaynes' "Caliber" is proportional to QGT's "Exertion" (Invited Talk)	Sergio Curilef	Nonlinear diffusion-reaction equation: Solutions and applications
11:25-11:50	Sergio Davis	Divergence theorem in Bayesian probability under constraints	Carlos Cartes	Public disorder and transport networks in the Latin American context
Afternoon				
Time	Speaker	Title	Speaker	Title
15:00-15:40	Fernando Fabian Montani	Plenary talk - Characterization of Visuo-motor/Imaginary Movements in EEG: An Information Theory and Complex Network Approach		
15:40-16:00	Vivianne Oguin	Statistical approaches to the problem of homogeneous melting of solids in the microcanonical ensemble	Maximiliano Silva Castillo	Geodynamic study of the dynamical instability of a lowdimensional system of coupled anharmonic oscillators
16:00-16:20	Constanza Fariás	Multiple metastable states in an off-lattice Potts model	Sorge Oporto	Confinement of chaotic solitons by the interplay of periodic spatio-temporal fields
16:20-18:40	Coffee Break			
16:40-17:00	Rodrigo Soto	Applications of kinetic theory to bacterial suspensions (Invited Talk)	Eiram Figueroa	Simulation of experimental front microrheology using a Non-Linear Klein Gordon equation with ϕ^4 potential
17:00-17:25	Andrea Villa Torrealba	Run-and-tumble bacterial under chemical gradients	Orazio Descalzi	Multiplicative noise can induce a velocity change of propagating dissipative solitons
17:25-17:50	Felipe Barra	Quantum battery at the verge of a phase transition	Cesar Torrico Chávez	Ticorn-like structures in the Lorenz-84 low-order atmospheric circulation model
20:00-22:00	Social activity: Dinner			
Second day - December 2				
Morning				
Time	Speaker	Title	Speaker	Title
08:40-09:00	UCN Pandemic protocol			
09:00-09:40	Jürgen Kurths	Plenary talk - Climate Meets Complex Systems: from 2021 Physics Nobel Prize Winners to Recent Directions		
09:40-10:00	Sergio Davis	Superstatistics and the fundamental temperature of steady states (Invited Talk)	Lisbon Peña Muñoz	Elliptical Chemosensors: The key to an Effective Absorption
10:00-10:20	Ivan Gallo	On Turbulence and its Relation With Kappa Distributions: a Lanoevin Approach	Rodrigo Soto	Response of cellular tissues to active stresses
10:20-10:40	Coffee Break			
10:40-11:00	Daniel Escaff	A spatially extended mean field approach for flocking phenomena.	Suzieli Mendonça	Application of Generalized Logarithm and Exponential Functions in Multifractal Detrended Fluctuation Analysis (MFDFA) of Nonstationary Time Series for Medical Signal Analysis
11:00-11:25	Jan Korbel	Thermodynamics of structure-forming systems	Gabriel Salierno	Fluidized State Stability study from Radioactive Particle Tracking Results
11:25-11:50	Adam Deakler	Many-body Master Equation for Interacting Brownian Particles	Agatha Pinto	Filling phenomena in microfluidics and front microrheology of biological fluids
Afternoon				
Time	Speaker	Title	Speaker	Title
15:00-15:20	Daniel Benito Moreno	Quantum transport across a slab of a type I Weyl semimetal with a uniform magnetic field	Rafael Riveros	Drift instabilities in Faraday waves on a fluid experiment
15:20-15:45	Gomez-Levyton	Incidence of evaporation on the thermodynamics of astrophysical systems: γ -exposed	Marcelo Ramirez-Avila	"Shrimps" annihilation leading to ring structures of regular behavior
15:45-16:10	Evaldo Curado	A Lorentz invariant distribution for a relativistic gas	Zui Oporto	Dynamical analysis of massless charged particles
16:10-16:20	Coffee Break			
16:30-18:00	Victor Muñoz	Charla pública: Física estadística, complejidad y nosotros (Public Talk - Statistical Physics, Complexity, and Us)		
18:00-19:00	Coctail			
Third day - December 3				
Morning				
Time	Speaker	Title	Speaker	Title
08:40-09:00	UCN Pandemic protocol			
09:00-09:40	Ronald Dickman	Plenary talk - Is There a Thermodynamics of Nonequilibrium Steady States?		
09:40-10:00	Vyacheslav Somsikov	Physics of Evolution and Structure of Matter	Francisco Calderon	Quantitative measures of word distribution in Chilean annual national presidential rendition: last 30 years case
10:00-10:20	Boris Atenas	Complexity in systems with long-range interactions: An application to d-HMF model	Francisco Escalante	Comparing the acquisition of concepts in newtonian mechanics for engineering students in different levels courses
10:20-10:40	Coffee Break			
10:40-11:00	Marcela Escobar	Information measures in bistable potentials	Catalina Arava	University student retention analysis using quantitative tools data-based
11:00-11:25	Velimir Ilić	On a general class of statistical complexity measures	Luisberis Velazquez	How do our students follow the teaching-learning process of online courses?
11:25-11:50	Evgeni Burovski	Mean-field interactions in evolutionary spatial games	Boris Atenas	Statistical models to predict key performance indicators of the teaching-learning processes
Afternoon				
Time	Speaker	Title	Speaker	Title
15:00-15:40	Maria Cristina Depassier	Plenary talk - Reaction diffusion fronts with a free boundary: the speed of the advancing front		
15:40-16:00	Ivan Pompa Garcia	Two-dimensional diffusion biased by a transverse gravitational force in an asymmetric geometry	Diego Gonzalez	On the understanding of diffusion equation from maximum caliber principle
16:00-16:20	Felipe Moreno	Density of states of a Three-state-Potts Coulomb Lattice Gas	Yasmin Navarrete	Non-Commutative Bayesian Expectation and its Connection to Quantum Theory
16:20-16:40	Coffee Break			
16:40-17:05	Pedro Pessoa	Bose-Einstein statistics for a finite number of particles	Pablo Martinez Coq	Proposal of Sudden Death Indicators based on Information Measures from ECG Signals
17:05-17:30	Mario Molina	The fractional discrete nonlinear Schrodinger equation	Claudia Trejo Soto	Characterization of the aggregation dynamics and the viscosity of blood in inflammatory diseases
17:30-18:00	Social activity: Closure Workshop, Cheese and Wine			
LIST OF POSTERS				
1	Dorothy Gogoi	A Dissipative Particle Dynamics study of phase separating fluid mixtures with polymeric component on its interface		
2	Benny Nogales Flores	Many coupled springs as a discrete model for a classical string		
3	Thalysa Martins	Experimental verification of optimal protocols with optically trapped colloidal particles		
4	René Moreira Calizaya	On the trajectories of the Quasi-stationary states in the d-HMF model		
5	Aleksandr Luchin	A self-organized critical system under the influence of turbulent motion of the environment		
6	Lucas Kamizaki	The surprising effectiveness of linear response theory for optimal protocols		
7	Abism Tamburri	Nonequilibrium statistical mechanics tool for the study of space plasmas: The Ehrenfest procedure in Earth's radiation belts and Superstatistics in magnetized plasma		
8	Eduardo Flández	Complex Networks Analysis of Solar Magnetograms along the 23rd Solar Cycle		
9	Alejandro Zamorano	Sandpile in Networks with Variable Topology		
10	Sebastián de la Maza	Community structure of Earth's magnetic field measurements		
11	Victor Fernández	Complexity analysis of GOY shell model via cumulative entropy		
12	Ignacio Hinojosa	Characterization of red blood cell aggregation		
13	Claudia Loyola	Percolation Detection using Convolutional Deep Neural Networks		
14	Joaquin Peralta	Inference for Unreliable Grading: The Case of Recommendation Letters		
15	Gustavo Eduardo Merelles	Fine-tuning and quasi-critical self-organization in a neuronal network model		
16	Patricio Alvarez Osazo	Intransitivity in the Lorenz-84 low-order atmospheric circulation model due to simple Shilnikov bifurcations		