

1st day 03/08/2022			
9:30 hs	Opening	Ricardo Luiz Viana	
9:40 hs	Coffee		
		Chair: Kelly Iarosz	
10:00 hs	Lecture 1	Yves Elskens	Wave-particle interaction in a traveling wave tube
10:40 hs	Oral Com. 1	Matheus Jean Lazarotto	Chaotic dynamics in periodic potentials
11:00 hs	Oral Com. 2	Rodrigo Simile Baroni	A route for the destruction and resurgence of the quasiperiodic shearless attractor
11:20 hs	Oral Com. 3	Gabriel Cardoso Grime	Shearless bifurcations in particle transport for reversed shear tokamaks
11:40 hs	Oral Com. 4	Leonardo Costa de Souza	Fractal structures in the drift motion of particle in tokamaks
12:00 hs	Lunch		
		Chair: Ricardo Egydio	
13:30 hs	Lecture 2	Gustavo Paganini Canal	The development of an advanced set of ELM control coils for TCABR
14:10 hs	Oral Com. 5	Felipe M. Salvador	Conceptual design and optimization of RMP coils for the TCABR Tokamak
14:30 hs	Oral Com. 6	Martim Zurita	Analyzing the dynamical nature of plasma turbulence through the lens of stochastic modeling, complexity, and entropy
14:50 hs	Oral Com. 7	Arnold Alonso Alvarez	Wavelet spectral analysis for extreme events in Texas Helimak
15:10 hs	Coffee break		
15:30 hs	Oral Com. 8	Luis Fernando B. de Souza	Transport barriers for two modes drift wave map
15:50 hs	Oral Com. 9	Marcos Vinicius de Moraes	Transport barrier in non-twist maps
16:10 hs	Oral Com. 10	Matheus Palmero Silva	Recurrence plots and change-point analysis of chaotic transient orbits
16:30 hs	Oral Com. 11	Joelson D. Veloso Hermes	Break-up of invariant curves in the Fermi-Ulam model
16:50 hs	Oral Com. 12	Bruno Borges Leal	Ullmann map and bifurcations
17:10 hs	Oral Com. 13	Pedro Haerter Neto	Synchronization of oscillators coupled by a diffusive substance to different geometries
2nd day 04/08/2022			
9:30 hs	Coffee		
		Chair: Francisco Silveira	
10:00 hs	Lecture 3	Gisele Akemi Oda	Synchronization of Multi-Oscillator Biological Clocks
10:40 hs	Oral Com. 14	Silvio Luis Thomaz de Souza	Nonlinear dynamics of a memristor-based circuit
11:00 hs	Oral Com. 15	Michele Mugnaine	Dynamics of nontwist maps
11:20 hs	Oral Com. 16	André Farinha Bósio	Drift Wave Induced Particle Transport in TCABR
11:40 hs	Lunch		
		Chair: Antônio Marcos Batista	
13:30 hs	Oral Com. 18	José Danilo Szezech Jr.	Total attenuation of control measures for epidemic communities modeled by cellular automata
13:50 hs	Oral Com. 19	Kelly Iarosz	Data science... are we data scientists now?
14:10 hs	Oral Com. 20	Adriane da Silva Reis	Controlling synchronization in clustered scale-free neuronal networks
14:30 hs	Oral Com. 21	Eduardo Luis Brugnago	Covariant Lyapunov vectors and prediction in chaotic systems
14:50 hs	Coffee break		
15:10 hs	Oral Com. 22	Enrique Chipicoski Gabrick	Effect of two vaccine doses in the SEIR epidemic model using a stochastic cellular automaton
15:30 hs	Oral Com. 23	Matheus Hansen Francisco	Investigation of pollen release by poricidal anthers using billiard models
15:50 hs	Oral Com. 24	Vitor Martins de Oliveira	Spin-orbit resonances and chaotic rotation in the Solar System
16:10 hs	Oral Com. 25	Paulo Protachevitz	Effect of chemical synapses on neuronal synchronization
16:30 hs	Closing		