SINC
Simposio de Investigadores Noveles en Complejidad

Symposium Program

1st Symposium of Novel Researchers in Complexity (SINC)

151 Graduation Hall (First Floor), Departmental I, Mostoles Campus

URJC, Madrid, Spain

Tuesday, July 1st, 2025

		Segment	Speaker
Morning	9:50 - 10:00	Symposium opening speech	K. Alfaro-Bittner
	10:00 - 11:40	**Session I**	
	10:00 - 10:20	*"Cluster synchronization of identical chaotic oscillators"*	G. Contreras Aso
	10:20 - 10:40	*"Dissipation effects in a Lorentz gas"*	F. Del Río Martín
	10:40 - 11:00	*"Lasers, ants, tsunamis and the structure of the universe"*	Á. Daza Esteban
	11:00 - 11:20	*"Hydrodynamic quantum analogs and the Lorenz mill"*	Á. García López
	11:20 - 11:40	*"Metaheuristic optimization for the Three-Stage Remanufacturing System Scheduling Problem"*	T. Diaconescu
	11:40 - 12:00	Coffee break	
	12:00 - 13:20	**Session II**	
	12:00 - 12:20	*"Vector field theory in motion: Revealing latent potentials in football dynamics"*	P. Rodríguez-Sánchez
	12:20 - 12:40	*"On the iteration of the PageRank vector"*	D. Rodríguez
	12:40 - 13:00	*"Computational Challenges in Facility Location Problems"*	S. Salazar
	13:00 - 13:20	*"PageRank for Temporal Networks "*	D. Aleja
Afternoon	13:20 - 14:20	Lunch time	
	14:20 - 16:00	**Session III**	
	14:20 - 14:40	*"Nonlinear delayed forcing drives a non-delayed Duffing oscillator"*	M. Coccolo
	14:40 - 15:00	*"Scalar embedding of temporal network trajectories"*	F.J. Marín Rodríguez
	15:00 - 15:20	*"Robustness and plasticity in biological systems"*	A. Alsina
	15:20 - 15:40	*"Two-Player Yorke's Game of Survival in Chaotic Transients"*	R. Capeáns
	15:40 - 16:00	Coffee break	
	16:00 - 16:20	*"Predicting deterministic extreme events"*	K. Alfaro-Bittner
	16:20 - 16:40	*"A Machine Learning enhanced Variable Neighborhood Search approach for the Uncapacitated Facility Location problem"*	L. Martin Garcia
	16:40 - 17:00	*"Analytical techniques to tackle nonlinear oscillators"*	P. Albares
	17:00 - 17:10	Symposium closing speech	G. Contreras Aso

Note: The presentations will be 15 min plus 5 min of questions.