

POSTER SESSION

	Presenter	Title
P1	Sara Lumbreras	A Complex-Network Approach to Support Transmission Expansion Planning
P2	Bruno Boaretto	A Mechanism of Explosive Synchronization in Neural Networks: The Influence of Topological Structure
P3	Jacob Billings	A Probabilistic Approach to Inferring Migration Patterns and Cross-Cultural Interaction among Pre-Historic Mixe-Zoquean Peoples Through Linguistic Analysis
P4	Rosa Benito	Analyzing the Main Polarization Forces in Multipolar Social Systems
P5	Irene Sendiña Nadal	Anticipating explosive synchronization with ordinal methods
P6	Federico Pablo-Martí	BEACON-FCM: Behavioral Economics and Cognitive Network Mapping for Complex Analysis
P7	Raul Toral	Biased versus unbiased methods for stochastic simulations
P8	Alvaro Corral	Bifurcations at Finite Times: Universal Scaling Behavior
P9	Bruno Boaretto	Characterizing the spike timing of a chaotic laser by using ordinal analysis and machine learning
P10	José Manuel Galán Ordax	Cooperative Dynamics in Unnecessary Risk Contexts: An Agent-Based Modeling Approach
P11	Luis Ignacio Dinis Vizcaíno	Do living organisms care about fluctuations?
P12	Inmaculada Leyva	Dynamical and synchronization intermitencies in complex networks
P13	Gianluca Manzan	Efficiency limits in Restricted Boltzmann Machines
P14	Raul de Palma Aristides	Emergence of multifrequency activity in a multi-population neural mass model
P15	Anxo Sánchez	Equilibria and Stationary Distributions in Network Games with Heterogeneous Agents and Limited Information
P16	Miguel A. González-Casado	Equilibrium Dynamics in Social Networks: A Case Study
P17	Sergio Díaz	Evaluating the Sensitivity of NSUM Estimators within Social Networks
P18	Albert Solé-Ribalta	Exploring Pedestrian Permeability in Urban Sidewalk Networks
P19	Lucía Ramírez	Extracting the geometric backbone of bipartite networks
P20	Cristina Masoller	Extreme desynchronization events in complex coupled networks
P21	Bereux Nicolas	Fast training and sampling of Restricted Boltzmann Machines
P22	Robert Jankowski	Feature-aware ultra-low dimensional reduction of real networks
P23	Saúl Ares	Feedback control of organ size precision in the Drosophila eye
P24	Pablo Rosillo-Rodes	Functional relation between entropy and type-token ratio in massive linguistic corpora
P25	Diego Maza	Granular deposition as test-bank of entropic ordering
P26	Aurélien Decelle	How phase transitions shape the learning of complex data in the Restricted Boltzmann Machine
P27	Pablo Catalán	Integrating conflicting seasonal light and thermal cues in the control of Arabidopsis elongation
P28	Alfonso de Jesús Navas Gómez	Inverse Statistical Modelling with Restricted Boltzmann Machines
P29	Alberto Aleta	LLMs and generative agent-based models for complex systems research
P30	David Sánchez	Mapping language distances through syntactic relations and geography
P31	Júlia Vicens Figueres	Modeling Bacterial Growth Under Antibiotics Using PINNs and Symbolic Regression
P32	Oriol Artime	Multi-Scale Field Theory for Network Flows
P33	Jorge Tabanera	Multiple Pareto-optimal solutions of the dissipation-adaptation trade-off
P34	Johann H. Martínez	On the complementarity of permutation entropy and time asymmetry metrics.
P35	Giovanni Catania	On the origins of overfitting in energy-based models
P36	José Manuel Galán Ordax	Optimizing School Group Structures to Mitigate Contagion Risks: Siblings Rewiring and Multi-Criteria Genetic Algorithms Approach
P37	Celia Anteneodo	Origin of nonlocality in population dynamics
P38	David González de la Aleja Gallego	PageRank for Temporal Networks
P39	Mattia Mattei	Phase Transition in Particles Aggregates: an Application to Biofilm Formation
P40	Carla Alejandre	Polymerization and replication of primordial RNA explained by clay-water interface dynamics
P41	Karin Alfaro	Predicting extreme events in an optical system
P42	Teresa Lázaro	Probabilistic alignment of multiple networks
P43	Raul de Palma Aristides	Pyramidal Interneuron Next-Generation Neural Mass Model: Synaptic Properties and Stimulation Response
P44	Oriol Cabanas	Robust discovery of driving differential equations of from noisy data
P45	Lucas Lacasa	Scalar embedding of temporal networks
P46	Manuel Suarez-Roman	Self similarity in social movements
P47	Martín F. Díaz	Siestas and Surges: Housing Market Through a Game Theory Lens
P48	Jaume Llabres Rubio	Stochastic pair approximation in the Partisan Voter Model
P49	Marcos Martínez Jiménez	Study of a model for the origin of molecular complexity through explainable machine learning and statistical models
P50	Daniel José Rodríguez Luis	Synchronization of adaptive Kuramoto network in presence of contrarians
P51	Francisco Grimaldo	The complexity of the cryptocurrency market: A computational approach
P52	Alejandro Dinkelberg	The Dream Team: Combining Social Network Analysis and Expert Insights to Disrupt Irish Criminal Networks
P53	Luis R. Izquierdo	The option to leave as a key mechanism for the evolution of cooperation
P54	Javier Molina	Unraveling Sequential Antibiotic Therapies
P55	Pablo Gallarta	Unveiling the limits of epidemiological models from a quantum-like perspective