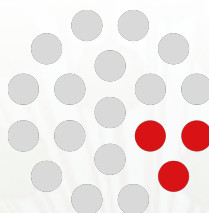




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PROGRAM

Monday, 28th of July

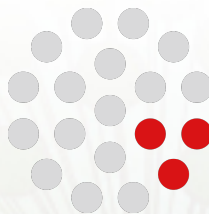
09:30 – 15:30	LANET SCHOOL – Room 14
15:30 – 16:00	REGISTRATION/WELCOME LANET CONFERENCE – Foyer
16:00 – 16:30	JOSÉ FERNANDO MENDES – Aula Magna Evolution of triangulations: Hausdorff and spectral dimensions
16:30 – 17:00	GUADALUPE PERALTA – Aula Magna Network theory to understand ecological changes
17:00 – 17:30	ANDREA BARONCHELLI – Aula Magna Emergent social coordination and collective bias in human and LLM populations
17:30 – 16:00	WELCOME COCKTAIL – Foyer

Tuesday, 29th of July

09:30 – 10:00	JAVIER BULDÚ– Aula Magna TBD
10:00 – 10:30	JESÚS GÓMEZ GARDEÑEZ– Aula Magna Recent advances on epidemic spread across metapopulations: From theory to control policies
10:30 – 11:00	COFFEE BREAK – Foyer
11:00 – 11:30	MARIO CHAVEZ – Aula Magna TBD
11:30 – 12:00	PABLO BALENZUELA – Aula Magna News Sharing and Ideological Bias in Social Media



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12:00 – 13:00 **PARALELL SESSIONS**

PA01 – Room 7

12:00 – 12:20

MOJICA-NAVA

Distributed Saddle Point Dynamics for Constrained Resource Allocation Problems in Multiplex Networks

12:20 – 12:40

ALMENDRAL

Anticipating Explosive Synchronization via Local Ordinal Entropy Measures

12:20 – 12:40

MESA PINEDA

Una Nueva Medida para Caracterizar las Estructuras de Ciclos en Redes Complejas

PA02 – Room 8

12:00 – 12:20

LOPEZ

Network metrics reveal ecosystem age as a key driver of food web assembly in Greenland ponds

12:20 – 12:40

BORTHAGARAY

Hotspot areas of mass effect and regional connectivity throughout the freshwater landscapes of South America

12:40 – 13:00

SEAMAN

Animal Social Networks and the Dynamics of Information Transmission

13:00 – 14:30

LUNCH BREAK – Canteen

14:30 – 16:00

PARALELL SESSIONS

PA03 – Room 7

14:30 – 14:50

GANCIO

Anticipating explosive synchronization in networks of Kuramoto oscillators

14:50 – 15:10

MARENCO

Online Change Point Detection for Weighted and Directed Random Dot Product Graphs

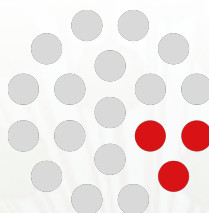
15:10 – 15:30

CICCHINI

Robustness analysis of public transportation networks and the relationship between topology and mobility in latin american cities



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PA04 – Room 8

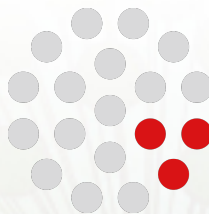
- 14:30 – 14:50 BERNAL
Similarity, Complex Networks, and Machine Learning in Pharmacologically Relevant Molecule Discovery
- 14:50 – 15:10 PICASSO
Does the service sector stimulate economic growth? A novel approach with machine learning using US Input-Output data
- 15:10 – 15:30 GARCÍA-USUGA
Redes complejas aplicadas al análisis del transporte público intermunicipal, Caso de estudio: el departamento del Quindío en Colombia
- 15:30 – 15:50 MESA MAZO
Modelamiento de parámetros físico químicos de aguas superficiales con Redes Complejas: de estudio Departamento del Quindío-Colombia
- 16:00 – 17:15 POSTER SESSION – Foyer

Wednesday, 30th of July

- 09:30 – 10:00 ERNESTO ESTRADA– Aula Magna
Towards Network Geometroynamics. Directed Networks
- 10:00 – 10:30 PAOLA BERMOLÉN– Aula Magna
Can we reproduce real networks? A generative latent position model for weighted random graphs
- 10:30 – 11:00 COFFEE BREAK – Foyer
- 11:00 – 11:30 JOSE JAVIER RAMASCO – Aula Magna
Capturing the linguistic diversity of societies
- 11:30 – 12:00 SILVIO FERREIRA – Aula Magna
Role of waning immunity for epidemic spreading on networks
- 12:00 – 13:00 PARALELL SESSIONS
- 12:00 – 12:20 PA05 – Room 7
DE LEON
Connectivity can increase biodiversity resistance to pollution or magnify its impact if equalizing mechanisms are eroded



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12:20 – 12:40 CABANA
Semantic Networks from Word Free Association: Structure and
Psycholinguistic Applications

PA06 – Room 8

12:00 – 12:20 ALVAREZ
Diffusion analysis of inflationary shocks in the Mexican economy. A study
using dynamic network analysis

12:20 – 12:40 PICHARDO
Measuring the structural evolution of street networks

13:00 – 14:30 **LUNCH BREAK** – Canteen

Thursday, 31st of July

09:30 – 10:00 MARTA GONZALEZ – Aula Magna
TBD

10:00 – 10:30 PABLO MONZON– Aula Magna
Smart Grids: (complex) power system networks he role of timing on waning immunity

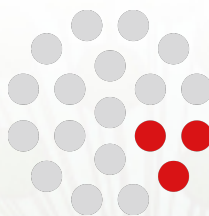
10:30 – 11:00 **COFFEE BREAK** – Foyer

11:00 – 11:30 JORDI SORIANO – Aula Magna
Exploring concepts of complex networks with living neurons grown in the
laboratory

11:30 – 12:00 FLORENCIA LEONARDI – Aula Magna
Consistent community detection and model selection in the Stochastic Block
Model



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12:00 – 13:00

PARALELL SESSIONS

PA07 – Room 7

12:00 – 12:20

BETANCOURT

Modelo matemático para la propagación del VIH en una población con estructura de edad y condiciones de riesgo asociadas

12:20 – 12:40

ANZO

Impact of risk perception and mobility preferences on epidemic spread in spatially embedded agent populations

12:40 – 13:00

SALIMI

Theory and Applications of Pursuit-Evasion Games

PA08 – Room 8

12:00 – 12:20

VERA-ÁVILA

Electronic implementation of simplicial complexes

12:20 – 12:40

GUTIÉRREZ

Generación y transmisión no trivial de información en redes de mapas logísticos diseñados electrónicamente

12:40 – 13:00

USUGA

Educational Inequities and Social Mobility in Colombia: Insights from Network-Based Analysis

13:00 – 14:30

LUNCH BREAK – Canteen

14:30 – 16:00

PARALELL SESSIONS

PA09 – Room 7

14:30 – 14:50

COTA

Bridging nodes and their impact on epidemic activation mechanisms

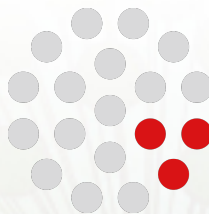
14:50 – 15:10

MARESCA

Threshold-Based Behavior and Epidemic Dynamics on Interacting Networks



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15:10 – 15:30 **MORAES**
Visibility graph signatures for criticality in spreading phenomena on networks

15:30 – 15:50 **ESTRADA**
Complex Networks for the Dynamic Study of Classical and Quantum Oscillators

PA10 – Room 8

14:30 – 14:50 **CHERNOMORETZ**
Leveraging Protein Embeddings and Network Theory for Drug Repurposing

14:50 – 15:10 **CASTAÑO**
Examining the Influence of ENSO on the Hydroclimatology of Colombia's Inter-Andean Region through Complex Network Analysis

15:10 – 15:30 **AGUIRRE**
A distributed reconnection model for complex networks

15:30 – 15:50 **CAYSSIALS**
Multiple regime switching models: theory and applications

16:00 – 17:15 **POSTER SESSION – Foyer**

Friday, 1st of August

09:30 – 10:00 **RONALDO MENEZES– Aula Magna**
Violence, City Size and Geographical Isolation in African Cities

10:00 – 10:30 **INMACULADA LEYVA– Aula Magna**
Lost in averaging: local and global intermittencies in complex networks

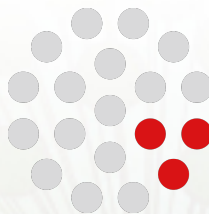
10:30 – 11:00 **COFFEE BREAK – Foyer**

11:00 – 11:30 **DAVID SORIANO-PAÑOS– Aula Magna**
Eco-evolutionary constraints shape the endemicity and epidemic trajectories of rapidly evolving viruses

11:30 – 12:00 **SEBASTIÁN GONÇALVES– Aula Magna**
Structure, Dynamics, and Prediction in Political Corruption Networks



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12:00 – 13:30

PARALELL SESSIONS

PA11 – Room 7

12:00 – 12:20

ESPINOSA

Exploration mechanisms intrinsic to semantic networks and the nuanced appraisal of lexical repetition occurrences

12:20 – 12:40

BRUM

Ultrafast Doppler and functional ultrasound of the brain: a novel research platform in Uruguay for studying functional networks and brain connectivity

12:40 – 13:00

SCHMIDT

Graph Contrastive Learning for Connectome Classification

PA12 – Room 8

12:00 – 12:20

PERUSQUÍA

Dinámica Poblacional del Gato Doméstico en Entornos Urbanos desde el enfoque de Sistemas Complejos

12:20 – 12:40

COMBARIZA

Decreasing the spectral radius by removal of a node

12:40 – 13:00

BELLO

Graph based models for anomaly detection in multivariate time series

13:00 – 14:30

CLOSING COCKTAIL