ICTP SAIFR | International Centre for Theoretical Physics South American Institute for Fundamental Research

WORKSHOP ON FOUNDATIONS AND APPLICATIONS OF SPREADING PHENOMENA ON COMPLEX NETWORKS

March 9 – 12, 2026

at IFT-UNESP, São Paulo, Brazil

INVITED SPEAKERS

Ana Amador* (UBA, Argentina)
Celia Anteneodo (PUC-RIO, Brazil)
Pablo Balenzuela (CONICET-UBA, Argentina)
Mario Chavez (CNRS, France)
Dante Chialvo (UNSAM, Argentina)
Wesley Cota (UFV, Brazil)
Guilherme Ferraz de Arruda (UNICAMP, Brazil)
Claudia Pio Ferreira (UNESP Botucatu, Brazil)
Jordi Soriano Fradera (U. of Barcelona, Spain)
Jesus Gomez-Gardenes (U. of Zaragoza, Spain)
Angélica Mata (UFLA, Brazil)
Fernando Metz (UFRGS, Brazil)
Seyed Moghadas (York U., Canada)
Yamir Moreno (U. of Zaragoza, Spain)
Suani Pinho (UFBA, Brazil)
Haroldo Valentin Ribeiro (UEM, Brazil)
Francisco Rodrigues (USP São Carlos, Brazil)
Michele Starnini (UPF, Espanha)
Andreia Sofia Teixeira (Northeastern U. London, UK)

**To be confirmed*

How do ideas, diseases, and information spread through our world? Network science helps us answer these questions by studying the structure and dynamics of complex systems, from human interactions and social media to biological and technological networks. This interdisciplinary field combines tools from physics, mathematics, computer science, neuroscience, and the social sciences to uncover the mechanisms behind spreading processes. These insights are key not only for understanding public health crises and viral information flows but also for guiding better decisions in policy, communication, advanced therapies, and technology. Our workshop will bring together researchers and students to explore the latest advances in modeling, analysis, and applications of spreading phenomena. Participants will engage with leading experts through invited talks, discussions, and hands-on presentations. Join us to connect with the growing community of scientists working at the frontier of complex systems, with applications ranging from neuroscience and biology to social dynamics and beyond.

This event will take place after the School "The Next Era of Network Science: Nonlinear dynamics, multiscale interactions and beyond".

There is no registration fee and limited funds are available for local expenses.

Registration deadline: January 15, 2026

Online application and more information:
ictp-saifr.org/wfaspcn2026

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