



School on Complex Systems and Applications to Neurosciences

Instituto de Física Teórica - UNESP, São Paulo, Brazil

September 28 - October 16, 2015

The School on Complex Networks and Applications to Neurosciences will cover theoretical aspects and current trends in the Theory of Complex Networks including their structural properties, dynamical processes, and multiplex networks with applications to social, technological and biological systems. The second half of the school will provide a detailed course on Neurosciences focused on the physiology of the cell and neuronal models, time series analysis and characterization, complex brain networks, collective phenomena and information processing in the brain, and neuroimage techniques for mental diseases. This school is part of the Topics in Nonlinear Science: Fundamentals and Applications. *There is no registration fee and limited funds are available for local and travel support of participants.*

Organizers:

Stefano Boccaletti (CNR-Italy and the Italian Embassy in Israel)

Javier M. Buldú (CTB & URJC, Spain)

Hilda Cerdeira (IFT-UNESP, Brazil)

Jesús Gómez Gardeñes (U. Zaragoza, Spain)

Claudio Mirasso (IFISC, U. les Illes Balears, Spain)

Antonio Roque (USP-Ribeirão Preto, Brazil)

Lecturers:

Edson Amaro Jr (Albert Einstein, Brazil)

Michael Breakspear (QIMR, Australia)

Mauro Copelli (UFPE, Brazil)

Ernesto Estrada (U. Strathclyde, U.K.)

Sandro Meloni (BIFI, U. Zaragoza, Spain)

Vincenzo Nicosia (Queen Mary U., UK)

Adriano Tort (UFRN, Brazil)

Raúl Vicente (U.Tartu, Estonia)



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Jaqueline Venturim

Technical assistant

The application deadline is July 24, 2015

The online registration form and more information can be found at:

www.ictp-saifr.org/neuroscience