

**Post-Doctoral position in Analysis and Control of Evolving Stochastic Complex Networks,
University of Naples Federico II, Naples, Italy.**

SINCRO Research Group

(Analysis and Control of Nonlinear Systems and Networks)

Description:

A post-doc position (12 months minimum) is available within the research project ACROSS - Analysis and control of emerging properties in evolving complex networks of stochastic systems. The successful candidate will be involved in the study of complex networks whose topological structure evolves and whose dynamics are not entirely deterministic. Indeed, the goal of the project is to reduce the gap between the theory of complex networks and its applications, with a special emphasis on collective dynamics in financial markets and collective behaviors in fish shoals. The project is in cooperation with the research groups led by Dr. Maurizio Porfiri, NYU Tandon School of Engineering, and by Dr. Manuel Ruiz Marin, University of Cartagena, Spain.

Please email your up-to-date CV and contact information to Dr. Pietro De Lellis (PI of ACROSS, pietro.delellis@unina.it) to apply for the position and to receive further information.

Required qualifications:

Applicants should have Ph.D. in automation and control engineering, electrical engineering, applied mathematics, physics or related engineering/scientific majors that enable them to study and advance the theory on complex dynamical systems. Programming ability (Matlab, Octave, Python) is required. Applicants should be under 35 years old.

Past experience on the study of complex networks and emergent behaviors, and in the study of stochastic equations is preferred.

Contact:

Dr. Pietro De Lellis (pietro.delellis@unina.it)