Dynamical Systems Laboratory

Degree title: Doctor of Philosophy in Mechanical and Aerospace Engineering
Supervisor: Professor Maurizio Porfiri
Stipend: Compensation includes full tuition coverage and a competitive stipend
Hours: Full-time
Location: NYU Tandon School of Engineering, 6 MetroTech Center, Brooklyn, NY

The Dynamical Systems Laboratory (DSL) is seeking to recruit outstanding Ph.D. students in a number of funded research projects. Positions are available in the areas of dynamical systems, robotics, and theoretical mechanics, including animal behavior, biologically inspired robotics, fluid/solid mechanics, multifunctional materials, multiphysics modeling, network science, nonlinear dynamics, and rehabilitation engineering. The research will be conducted under the supervision of Professor Maurizio Porfiri, director of the DSL.

Key responsibilities & duties

Ph.D. students are expected to enroll in graduate courses, conduct high-level research, perform experiments, write academic articles, and share laboratory responsibilities.

Academic qualifications

Candidates are expected to have solid research experience in one or more subjects listed above and have a M.Sc. or equivalent degree in Engineering, Mathematics, or Physics. Outstanding candidates with a B.Sc. are also encouraged to apply. Intellectual curiosity, capabilities to work independently and in teams, and desire to learn across fields are viewed very positively.

How to Apply

Candidates are strongly encouraged to contact Professor Porfiri at mporfiri@nyu.edu prior to formally applying to NYU for admission to the doctoral program, which will then require TOEFL and GRE. The correspondence with Professor Porfiri should include a curriculum vitae and a one-page statement of past research experience. Review of applications will begin immediately and will be accepted on a rolling basis. The positions are expected to start as early as January 2017.

Date: November 28, 2016