

Research theme title:

New techniques for analysis, design and control of chaotic dynamics

Description:

In many natural and artificial systems, the onset of chaotic dynamics can be associated with improved performance or enhanced and robust functionality. For this reason, developing methods for the analysis, design, and control of chaotic dynamics is of utmost importance. The PhD candidate will work on projects in the following areas:

- analysis of chaotic dynamics in emerging applications;
- design of chaotic systems/circuits with novel features;
- control of nonlinear dynamics in systems of interacting units.

Hosting University:

University of Catania, Italy

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Type of scholarship:

DM 118/2023 – Project on PNRR (Italy's Recovery and Resilience Plan)