



Ph.D. programme in Mathematics and Computer Science

Title: Non Linear Functional Analysis

Speaker: Prof. Giuseppe Marino

Abstract:

The main purpose of the course is the introduction to Non Linear Functional Analysis. This is an area of Mathematics which has suddenly grown up over the past few decades, influenced by nonlinear problems posed in physics, mechanics, operations research and economics. Its applicable field is far and away wider than that of the linear case because most of problems arising in natural sciences or social sciences are nonlinear.

Course organization :

Tuesday, March 3, 2015: 8.30-10.30

Thursday, March 5, 2015: 8.30-10.30 e 15.30-17.30

Tuesday, March 10, 2015: 8.30-10.30

Wednesday, March 11, 2015: 8.30-10.30 e 12.30-13.30

Thursday, March 12, 2015: 8.30-10.30 e 15.30-17.30

Tuesday, March 17, 2015: 8.30-10.30

Wednesday, March 18, 2015: 8.30-10.30 e 12.30-13.30

Thursday, March 19, 2015: 8.30-10.30 e 15.30-17.30

Marino's office (cubo 31B, 5 floor)

Biographical Schetch: .

Affiliations: Full Prof Università Calabria (since November, 2000).

Adjunt Prof King Abdulaziz University, Jeddah, Saudi Arabia, ISI Highy-Cited, Mathematics, highlycited.com

Research interest:

Author of more than 100 publications in the following fields: Axiomatics of Quantum Mechanics; Geometry of Banach spaces ; Existence of fixed point for nonlinear mappings; Convergence of sets; Abstract form of Cauchy-Kowalewska Theorem; Operator Theory; Boundary Valued Problem; Iterative methods for finding fixed points and/or equilibrium points.