Lectures in Nonlinear Analysis and Differential Equations

Doctoral School in Mathematics and Computer Science
Department of Mathematics and Computer Science, University of Calabria

March 24-28, 2014

General Information

The course is intended for doctoral students and young researchers interested in Nonlinear Analysis and Differential Equations.
The classes will be given in Aula MT11, Department of Mathematics and Computer Science, University of Calabria, Cubo 30B, first floor.
During the same period our University will host two talks given by two participants, these are included here for completeness.

Course Lecturers

- Aleksander Ćwiszewski, University of Torun, Poland

- Wojciech Kryszewski, University of Torun, Poland

- Radu Precup, University of Cluj-Napoca, Romania

- Stepan A. Tersian, University of Ruse, Bulgaria

Guest Speakers

- Gabriele Bonanno, University of Messina, Italy

- Salvatore A. Marano, University of Catania, Italy

Course Schedule

MONDAY 24 MARCH:

15:00-17:00	RADU PRECUP
	Nash-type equilibria and periodic solutions to nonvariational systems (Part 1)
17:00-19:00	ALEKSANDER ĆWISZEWSKI
	Periodic solutions of partial differential equations (Part 1)

TUESDAY 25 MARCH:

15:00-17:00	WOJCIECH KRYSZEWSKI
	Boundary value problems for partial differential inclusions (Part 1)
17:00-19:00	STEPAN A. TERSIAN
	Critical point theorems and their applications to boundary value problems (Part 1)

WEDNESDAY 26 MARCH:

15:00-17:00   ALEKSANDER ĆWISZEWSKI
                        Periodic solutions of partial differential equations (Part 2)
17:00-19:00   COURSE TUTORIALS

THURSDAY 27 MARCH:

15:00-16:00   GABRIELE BONANNO
                        Relationships between the mountain pass theorem and local minima and a comparison between fixed points and critical points
16:00-17:00   SALVATORE A. MARANO
                        Non-smooth critical point theory on closed convex sets and applications
17:00-19:00   RADU PRECUP
                        Nash-type equilibria and periodic solutions to nonvariational systems (Part 2)

FRIDAY 28 MARCH:

15:00-17:00   STEPAN A. TERSIAN
                        Critical point theorems and their applications to boundary value problems (Part 2)
17:00-19:00   WOJCIECH KRYSZEWSKI
                        Boundary value problems for partial differential inclusions (Part 2)