



UNIVERSITÀ DELLA CALABRIA

DIPARTIMENTO DI  
MATEMATICA  
E INFORMATICA

# Avviso di Seminario

*Martedì 19 maggio 2015 – ore 11:00*

*Aula MT10 – cubo 30B primo piano*

*Rubén Figueroa*

Università di Santiago de Compostela (SPAGNA)

terrà un seminario dal titolo:

## *On Schauder-type and Krasnoselskii-type theorems for discontinuous operators*

**Abstract:**

In the recent years, the well-known Schauder's fixed point theorem has been extensively used to obtain the existence of solutions of some kind of boundary value problems. On the other hand, Krasnoselskii's compression-expansion theorem has also been applied to obtain new existence and localization results in cones. In both results (and also in their subsequent generalizations), (complete) continuity of operators is an essential hypothesis. The purpose of our work is to show that a Schauder-type and a Krasnoselskii-type result can be established for a certain type of discontinuous operators.

Il Direttore del Dipartimento  
*prof. Nicola LEONE*