



UNIVERSITÀ DELLA CALABRIA

DIPARTIMENTO DI  
MATEMATICA  
E INFORMATICA

Dipartimento di Matematica e Informatica

# Avviso di Seminario

*Giovedì 15 maggio 2014 – ore 17:00*

*Aula MT11 – cubo 30B primo piano*

il prof. *Dariusz Bugajewski*

Università di Poznan (POLONIA)

terrà un seminario dal titolo:

## *Nonlinear operators in the spaces of functions of bounded variation in the sense of Jordan*

**Abstract:**

*It is well-known that solutions to many differential and integral equations which describe concrete physical phenomena are often functions of bounded variation in the sense of Jordan. From that perspective the Banach space of such functions forms an interesting place to examine classical nonlinear operators such as convolution operators, nonlinear superposition operators as well as nonlinear integral operators.*

*The convolution operators acting in that space are quite well recognized, in the contrast to nonlinear superposition operators; several interesting problems concerning superposition operators have been open for many years. The aim of this talk is to present mainly a collection of new results in this area. Particular attention will be paid to nonautonomous superposition operators.*

Il Direttore del Dipartimento  
*prof. Nicola LEONE*