## **Alessandro Calamai**

(Universita' Politecnica delle Marche).

Front propagation in non-local reaction-diffusion equations

## Abstract:

We study functional reaction-diffusion equations. By using topological methods suitably combined with upper and lower-solutions techniques, we establish sufficient conditions for the existence of traveling wave solutions. Our results apply to equations having nonlocal reaction terms, for example including delays or convolution integrals. This is a joint work with Cristina Marcelli and Francesca Papalini