

Laboratoire de mathématiques Jean Leray
Unité mixte de recherche 6629

COLLOQUIUM

Jeudi 15 Novembre 2012, 17h
Salle des séminaires

VITALY VOLPERT
(Université de Lyon 1)

"Theory and applications of reaction-diffusion equations"

Reaction-diffusion equations describe numerous applications, such as flame propagation, tumour growth or competition of species in population dynamics. After a short introduction to the theory of reaction-diffusion equations, we will discuss reaction-diffusion waves in more detail. From the mathematical point of view, they represent solutions of elliptic boundary value problems in unbounded domains. The classical theory of elliptic partial differential equations will be recalled and some recent developments will be presented.

Un café-thé sera servi à 16^h30 dans la salle du courrier du bâtiment de mathématiques