PRE and POST-DOCTORAL POSITIONS

RESEARCH TRAINING NETWORK
Nonlinear partial differential equations describing front propagation and other singular phenomena

The **Institute of Applied and Computational Mathematics (IACM)** located in **Herakleion - Crete (Greece)** is offering pre- and post-doctoral positions in the field of Nonlinear Partial Differential Equations. These positions will be available starting **September 2002.** IACM is an Institute of Foundation for Research and Technology - Hellas with strong links with the University of Crete, and it is oriented towards applied as well as theoretical research.

Our group consists of : N. Alikakos, I. Athanasopoulos, G. Barbatis, S. Filippas, G. Kossioris, M. Soner, A. Tersenov, A. Tertikas and G. Zouraris. The above personnel are members of the Institute of Applied and Computational Mathematics (FORTH-IACM), University of Crete, University of Athens, University of the Aegean, University of Ioannina and Koc University (Turkey).

Research topics :
- regularity of free boundaries for Stefan problems,
- blow-up formation for nonlinear parabolic equations,
- higher order degenerate parabolic equations,
- singular perturbation and phase transition problems,
- dynamics of interfaces,
- numerical and computational study of nonlinear PDE's,
- qualitative behaviour of solutions of nonlinear second order elliptic and parabolic equations,

and related areas of studies are among the interests of our group.

Young scientists whose research interests are in the area of nonlinear partial differential equations are encouraged to apply.

Candidates must be nationals of a **European Community Member State** (other than Greece) or an **Associated State** (http ://www.cordis.lu/fp5/management/particip/v-gfpbox4.htm) and must not be over 35 years of age (an allowance to this age limit may be made for military service and child-care). People who are interested should submit their applications (Curriculum Vitae, a list of published works, research interests and two letters of recommendation) to :

RTN Postdoc Programme - PDE's : Fronts-Singularities
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