



Post-doctoral position announcement

ANR project NumericAl BoUndaries and COupling

Beginning : October 1st 2018 (exact date open to discussion)

Length : 24 months

Location : Institut de Mathématiques de Toulouse, Université Toulouse III Paul Sabatier, **France**.
The hired person will also interact with other teams involved in the ANR project, as for instance in the Institut de Mathématiques de Bordeaux and Institut Camille Jordan (Lyon).

Research : this post-doctoral position is funded by the ANR project NABUCO:

<http://nabuco.math.cnrs.fr>

This project aims at a better understanding of the influence of boundary conditions on the dynamics of dispersive partial differential equations. The motivations are numerous, but the main target of the project is coastal oceanography. The central objective of this post-doctoral position is to develop a stability theory for *numerical* boundary conditions for dispersive equations. The starting point is the corresponding theory for discretized transport equations.

No teaching load is included in this position.

Income and fundings : around 2350 euros per month (net income, health insurance included). The hired person will have access to the funds of the project for covering travel expenses.

Application : candidates should send an e-mail to Jean-François Coulombel (email address below) with subject [Post-doc NABUCO - NAME SURNAME] by February 2nd 2018. The email should include a CV, a short description of the research activities so far (in the body of the email or attached as pdf files), and the names and coordinates of two references. Complete articles should not be attached to the email, but links to Arxiv or a web page are very welcome.

The deadline for applications is February 2nd 2018.

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