



Rennes



Toulouse

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## Two 2-years post-doc positions

### Hyperbolic Equations, Approximations & Dynamics

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**Expected**<sup>1</sup> **starting date** : September 2025.

**Duration** : 2 years.

**Context** : The ANR project *Hyperbolic Equations, Approximations & Dynamics* (2024-2029),

<https://perso.univ-rennes1.fr/luis-miguel.rodrigues/HEADdir/HEAD-index.html>

is offering two 2-years post-doc positions in France, one in Rennes, one in Toulouse. The project is focused on the analysis of the long-time dynamics of hyperbolic systems of partial differential equations and their approximations by numerical schemes, vanishing viscosity or in the dispersionless limit.

**Locations** : Rennes and Toulouse (France).

**Profile** : Holder of a PhD thesis at the starting date of the contract, with a strong background in at least one of the following fields : the nonlinear analysis of partial differential equations, the study of infinite dimensional dynamical systems and their coherent structures, the mathematical analysis of numerical schemes for partial differential equations.

**Gross**<sup>2</sup> **income** : Between<sup>3</sup> 4 000 € and 5 500 € by month, depending on seniority.

**Tasks** : The positions are free of teaching duties. The research tasks of the hired candidates should contribute to at least one axis (hyperbolic, numerical, viscous, dispersive) of the project but could be adapted to fit their scientific backgrounds and facilitate interactions with local members of the project ( Boutin, Duchêne, Gassot, Rodrigues in Rennes ; Coulombel, Crin-Barat, Faye, Noble in Toulouse ).

**Application** : The selection process shall start on **December 16th of 2024** and end no later than the end of January 2025. It could include video interviews. Before the former date application files should be sent to the following email address<sup>4</sup>

L..Miguel.Rodrigues@math.cnrs.fr

as a *single PDF file* including

- a cover letter indicating whether the candidate applies in Rennes, in Toulouse or both<sup>5</sup>
- a resume including a list of publications<sup>6</sup>
- a research statement including a brief summary of the key results obtained so far
- for holders of a French PhD thesis, referee reports preliminary to the defense.

Recommendation letters can be sent directly to the same address.

**Contacts** :

`luis-miguel.rodrigues@univ-rennes.fr`

**Rennes**

**Toulouse**

`louise.gassot@cnrs.fr`

`jean-francois.coulombel@math.univ-toulouse.fr`

`luis-miguel.rodrigues@univ-rennes.fr`

`gregory.faye@math.univ-toulouse.fr`

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1. Subject to negotiation. 2. In French : brut chargé. 3. Rounded at closest hundred. 4. But applications sent to `luis-miguel.rodrigues@univ-rennes.fr` will also be considered. 5. Possibly with some ordering. 6. With a link to a personal webpage where documents and/or links to preprints could be found. Do not include documents.