

Tenured Professor Position in
Partial differential equations and control
Chair of Excellence
IdEx Bordeaux

The University of Bordeaux is opening a full professor position in Partial differential equations and control. This position may benefit from specific funding through the IdEx Bordeaux Chairs program. This program is expected to contribute to strengthening the academic community of the University of Bordeaux and other partner institutions in strategic fields by supporting high-profile researchers in setting up a research team for the development of their projects within one of Bordeaux laboratories.

The University of Bordeaux is looking to reinforce its expertise in partial differential equations and control. A full professor position (see note 1) is now open in this field. The successful candidate should be able to lecture both in French and in English at undergraduate and graduate levels.

The appointed professor will join the Bordeaux Mathematical Institute (IMB, UMR5251) and should be an expert in control theory of evolutionary systems, having a broad mathematical culture covering many fields potentially connected to control theory including functional analysis, PDE, complex analysis, Fourier analysis, microlocal analysis, and possibly analytic number theory. He will develop this new research axis in connexion with several existing projects in various teams of the IMB, concerning analysis, population dynamics, biomathematics, inverse problems. Applications to e.g. oceanography, imaging, robotics, electrocardiology, fluid mechanics, will be developed in interaction with other departments in the Bordeaux area. We expect the new professor to impulse new cooperation activities in these fields.

The successful candidate will have a strong track record in independent research with a sustainable research plan and ability to attract research funding from appropriate sources.

To obtain any additional information about this specific position, please contact, Jean-Marc Couveignes (Jean-Marc.Couveignes@u-bordeaux.fr), head of the IMB.

The Professor, recruited through a competitive admission process, may benefit from a startup funding through the **IdEx Bordeaux Chairs Program**. International researchers preparing their application for this university tenure positions are welcome to apply. Please refer to the Senior Chairs website for eligibility conditions.

IdEx Bordeaux Chair funding will consist of a minimum of 250.000 € for three years (not including the PI salary). This amount may be used for the setting up of a research lab (purchase of equipment), for hiring team members (salaries) and for operational costs. Candidates are informed that being appointed as full professor will not automatically imply the granting of the chair of excellence, as IdEx Bordeaux will perform an independent evaluation of the installation project. Candidates should thus specifically apply to the IdEx Chair funding scheme by submitting before March 12 the following documents through the Senior Chairs application website: - a letter of intent introducing the candidate and briefly presenting his/her project and its medium- to long-term perspectives; - a full Cv of the candidate; a research project description and an estimative budget (3 years).

In the absence of a suitable candidate, IdEx Bordeaux selection committee reserves the right not to grant this chair.

Note 1: International researchers should hold a “qualification” from the French “*Conseil national des universités*” (CNU), or occupy a Professor position (or equivalent) in a foreign university.

The Bordeaux Mathematical Institute (IMB) is a mathematics research laboratory affiliated with the CNRS, the University of Bordeaux and the Polytechnic Institute of Bordeaux. The research conducted at IMB is divided into nine groups: Number theory, Geometry, Operations research, Analysis, Partial differential equations and mathematical physics, Probability and statistics, Biomathematics, Scientific computing and modelling, Imaging. IMB is involved in Industrial partnerships with numerous partners, including Airbus, CEA, Irstea, Danone, DCNS, EDF, Thales; in various domains, including aeronautics, industrial agriculture, genomics, cancer research, epidemiological research, laser optics, environmental surveillance, systems engineering, and transportation.

The Initiative of Excellence of the University of Bordeaux (IdEx Bordeaux) is a collective program coordinated by the université de Bordeaux, in association with national research centers CNRS and Inserm, and the following higher education and research organizations: Bordeaux Sciences Agro, Bordeaux INP, université Bordeaux Montaigne and Sciences Po Bordeaux. IdEx Bordeaux also involves other partnering organizations: CEA, Inra, Inria, Irstea, Ifremer and CHU de Bordeaux.

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