The Hydraulics Research team led by Prof. Sandra Soares-Frazão has a PhD position open as “Teaching Assistant” at the Université Catholique de Louvain. Such a position offers the possibility to undertake a PhD while contributing to teaching activities at undergraduate level.

The PhD project should be conducted in one of the following topics, to be discussed with the supervisor (Sandra Soares-Frazão):

- Floods in urban areas: modelling using porosity-based techniques;
- Numerical and experimental modelling of breaching of earthen embankments;
- Investigation of bed shear stress leading to erosion in transient flows over mobile beds.

The teaching activities consist in practical exercises, laboratories and projects in general hydraulics and open-channel flows. A good knowledge of French is preferable for these activities. Otherwise, the successful candidate should demonstrate his/her willingness to learn French in order to be able to conduct this teaching work within one year.

The contract can be renewed for a total duration of 6 years, considering that about 50% of the time is devoted to the PhD research and about 50% to teaching activities. In order to be admitted to the PhD, the candidate should hold a Master degree in engineering (e.g. civil, hydraulic, environmental, mechanical, ...) and demonstrate that he followed a cursus of at least 300 ECTS credits.

The application file should comprise:

- A CV;
- The transcript of academic records;
- A motivation letter explaining the interest in one of the proposed research topics.

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Deadline for application: 20 July 2019