



**PhD Call: “Tangent distributions and  $h$ -principle”**

The Differential Geometry and Topology group in Utrecht University (The Netherlands) is offering a 4-year PhD position. The successful candidate will work in the project “*Tangent distributions and  $h$ -principles*” under the supervision of Álvaro del Pino.

- **What can you expect:** It is a standard Dutch 4-year PhD position. As such, it involves some work as teaching assistant.

The goals of the research project are flexible and will be adapted to the interests/strengths of the student. The overarching idea is to answer global classification questions about tangent distributions in smooth manifolds, in the spirit of Symplectic and Contact Topology. Depending on the direction we follow, the project will borrow from Differential Geometry, Algebraic Topology, and Geometric Analysis.

The successful candidate will participate in the seminars/activities organised by the Differential Geometry group, and will frequently interact with the supervisor (Álvaro del Pino) and the other members of the group (Professors G. Cavalcanti, M. Crainic, and F. Ziltener and their PhD students).

- **Requirements:** The candidate has a Master in Mathematics or will soon obtain a Master in Mathematics. Preferably, the candidate has a strong background in Differential Geometry and Topology. The candidate should be able to communicate effectively in English (Dutch is not required).
- **How to apply:** Submit a Cover Letter and a CV (including a one-paragraph summary of your master thesis and a list of relevant courses taken with their grades) to [a.delpinogomez@uu.nl](mailto:a.delpinogomez@uu.nl). Additionally, you should arrange for two recommendation letters in support of your application to be sent to the email address above.
- **Deadline:** 1st August 2020 (but may be prolonged until a suitable candidate is found)