

POST-DOCTORAL POSITION IN GEOMETRIC ANALYSIS

In the framework of the Odysseus programme “Geometric and analytic properties of metric measure spaces with spectral curvature constraints, with applications to manifold learning” funded by the Fonds voor Wetenschappelijk Onderzoek – Vlaanderen (Research Foundation – Flanders), the Department of Mathematics and Data Science of the Vrije Universiteit Brussel (Belgium) invites applications for one Post-Doctoral position in Mathematics. The successful candidate will contribute to the vibrant research environment of the department and help creating new ties with the Department of Mathematics of the nearby Université Libre de Bruxelles. She/he shall work with David Tewodrose and Ann Dooms.

The duration is two years. The starting date is flexible, between October 1st, 2024 and February 1st, 2025. The position comes with a competitive salary calculated according to familial situation, and includes funding for traveling to international conferences and visiting collaborators worldwide. It comprehends a light teaching load in the form of assistantship for one course per semester at the master level.

The research conducted will lie at the intersection of several research areas in modern geometric analysis, including computational Riemannian geometry, analysis on metric spaces, geometric measure theory and probability theory. Candidates must hold a PhD in Mathematics by the time the position starts. Priority will be given to applicants with some knowledge in data analysis, especially in manifold learning, but any candidate with a strong background in geometric analysis will be considered with attention.

Applications should be sent directly by email at postdoc.vub.fwo.2024@gmail.com no later than January 20th, 2024 at 4 pm Brussels time. They must consist of one single PDF file containing a curriculum vitae with a list of publications, a copy of the PhD degree¹, and a letter of motivation of no more than three pages describing the research interests of the candidate, what she/he retains as her/his main achievement, and the reasons why she/he considers the position as natural for her/his career. Candidates should also be recommended by two professors via letters to be sent at the aforementioned email address and within the same deadline. Any inquiries about the position may be addressed to the same email address.

Candidates on the short list will be invited for an online interview taking place at the beginning of February. The final decision will be announced on February 13th, 2024.

¹or any official document justifying that such a degree is to be obtained soon