

The **Vienna School of Mathematics (VSM)** is a joint graduate school of the mathematics faculties of the **University of Vienna** and the **TU Wien**. The VSM is devoted to top-level PhD education in all branches of mathematics. It fosters intra- and interdisciplinary scientific cooperation and networking among students and advisors and aims at increasing the international visibility of the Vienna area as a center for mathematics.

The VSM currently announces a PhD position in the area of

**Geometric analysis under curvature bounds
(University of Vienna, Supervisor: D. Semola)**

This project is at the interface between geometry, analysis, and topology and involves techniques borrowed from all such areas. We offer 1 position in this area. Possible PhD projects may be concerned with comparison geometry in smooth or nonsmooth contexts, geometric and functional inequalities on curved backgrounds, and regularity theory for geometric partial differential equations. The concrete thesis project will be developed jointly with the successful applicant.

The basic requirement for the position is an excellent working knowledge of Riemannian geometry and analysis, and the basics of algebraic topology.

The advertised position is associated with the Faculty of Mathematics of the **University of Vienna** and embedded in the key research area Analysis, Geometric Structure, and Mathematical Physics. The successful candidate(s) will become a member/members of the Vienna School of Mathematics and is/are expected to actively contribute to its activities. The extent of employment is 30 hours per week. The position will start on between September 1st 2026 and November 1st 2026.

Application Requirements and Procedure

The candidates must have a master degree (or equivalent) in Mathematics at the moment the PhD position starts. The application documents should contain a letter of motivation; the scientific CV with publications list; higher education certificates/diplomas and transcripts of records; and letter(s) of recommendation preferably sent directly to daniele.semola@univie.ac.at by the person writing the letter. Applications have to be sent to daniele.semola@univie.ac.at, if possible in a single PDF file. There is no fixed deadline for applications.