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 three year PhD position in the area of

Foundation Models for PDEs
(Technische Universität Wien, Supervisor: Michael Feischl)

Potential PhD topics include the design and implementation of AI models that produce qualitatively correct solutions to a given PDE, the mathematical understanding of how these models learn and which error guarantees can be given.

The basic requirement for the position is a good working knowledge in at least one of the fields connected to the project, particularly, PDE analysis, Numerical methods for PDEs and/or practical implementation of advanced AI models.

The advertised position is associated with the Institute of Analysis and Scientific Computing of the Technische Universität Wien in the Research Group Computational PDEs. The successful candidate will become a member of the Vienna School of Mathematics and is expected to actively contribute to its activities. The extent of employment is 30 hours per week. The starting date of the position is flexible but should be around the start of 2027.

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, a CV, higher education certificates/diplomas, and letter(s) of recommendation preferably sent directly to michael.feischl@tuwien.ac.at by the person writing the letter. Applications have to be sent to michael.feischl@tuwien.ac.at, if, possible, in a single PDF file. The deadline for applications is **December 31, 2026**.