

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

**Normal Forms in CR Geometry  
(University of Vienna, Supervisor: B. Lamel)**

*Normal forms are an approach to solve geometric equivalence problems from the “extrinsic” point of view, by exhibiting special coordinates and defining equations. The goal of this project will be to address normalization based on certain geometrically motivated models and weight systems for real hypersurfaces under biholomorphisms, building up the equivalence theory for infinite type points. We expect that this approach will also incorporate complex geometry arising from the study of certain division problems for holomorphic polynomials.*

The advertised position is associated with the Faculty of Mathematics of the **University of Vienna**. 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 position is planned to start on September 1, 2024.

**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 letter(s) of recommendation. Applications have to be sent via the Job Portal of the University of Vienna at the [following link](#). The deadline for application is **July 23, 2024**.