



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

Infinite singular systems of functional equations in combinatorics (TU Wien, Supervisor: M. Drmota)

In contrast to finite systems of functional equations in one complex variable, where the singular points and their nature are relatively easy to characterize the corresponding question for infinite systems is widely open. The purpose of this PhD project is to provide a first systematic analysis of this topic, in particular for almost diagonal systems and for systems that can be re-written into finite catalytic systems.

The advertised position is associated with the Institute of Discrete Mathematics and Geometry of **TU Wien** in the Research Group on Combinatorics and Algorithms of Prof. Dr. Michael Drmota. 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 will start on November 1, 2020.

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 to katharina.pauschenwein@tuwien.ac.at. The deadline for applications is **October 20, 2020**.