

13th VSM Call for Applications (January 2026)

1. Up to 3 PhD Positions Financed by the VSM (University of Vienna)

For these positions (directions for) PhD projects have been proposed. Applications are only possible for specific projects from the list.

List of projects (in alphabetical order):

1. [Spherical design curves for continuous measurements in spatial hearing](#) (Supervisors: Peter Balazs, Martin Ehler)
 2. [Combinatorial sets of reals](#) (Supervisor: Vera Fischer)
 3. [Explainable and sustainable artificial intelligence via interaction spaces theory](#) (Supervisors: Paolo Giordano and Michael Kunzinger)
 4. [Modern aspects of non-smooth Lorentzian geometry](#) (Supervisor: Michael Kunzinger)
 5. [Classifications of perturbations of rigid manifolds](#) (Supervisor: Bernhard Lamel)
 6. [Logic and Dynamics](#) (Supervisor: Aristotelis Panagiotopoulos)
 7. [Extendibility of spacetimes and Lorentzian length spaces](#) (Supervisor: Chiara Rigoni, Roland Steinbauer)
 8. [Probability theory with applications to population genetics](#) (Supervisor: Emmanuel Schertzer)
 9. [Elliptic combinatorics and special functions](#) (Supervisor: Michael J. Schlosser)
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2. **Geometric Analysis under Curvature Bounds** (TU Wien, Supervisor: Michael Pinsker, several positions)
 3. **Collective Dynamics: From Individual-Based Models to Continuum Equations** (University of Vienna, Supervisor: Sara Merino-Aceituno)
 4. **Variational Analysis, Dynamics and Operations Research** (TU Wien, Supervisors: Aris Daniilidis, Sebastián Tapia Garcia)
 5. **Universal Phenomena in Analytic Combinatorics** (TU Wien, Supervisor: Michael Wallner)
 6. **High-Order Methods for Wave Propagation** (TU Wien, Supervisor: Jens Markus Melenk)
 7. **Uncertainty Quantification** (TU Wien, Supervisor: Leila Taghizadeh)
 8. **Variational Analysis, Dynamics and Operations Research** (TU Wien, Supervisors: Aris Daniilidis, Sebastián Tapia Garcia)
 9. **Axioms of Mathematics** (Supervisors: J.P. Aguilera (TU Wien), V. Fischer (University of Vienna), L. Kovács (TU Wien), S. Müller (TU Wien), M. Pinsker (TU Wien), G. Schiemer (University of Vienna), up to 12 positions)