

11th VSM Call for Applications (March 2025)

1. **Stability of Deep Learning Methods in PDEs and Dynamical Systems** (University of Vienna, Supervisors: Samuel Lanthaler, Philipp Petersen)
2. **Collective Dynamics: From Individual-Based Models to Continuum Equations** (University of Vienna, Supervisor: Sara Merino-Aceituno)
3. **Applied Geometry** (TU Wien, Supervisor: Christian Müller)
4. **Higher-Order Flexibility of Geometric Structures** (TU Wien, Supervisor: Georg Nawratil)
5. **Data Assimilation of Wasserstein Gradient Flows** (University of Vienna, Supervisor: Olga Mula)
6. **Analysis of Deep Learning Methods for Singularly Perturbed PDEs** (University of Vienna, Supervisor: Olga Mula)
7. **Analysis of Neural Network Quantum States** (University of Vienna, Supervisors: Philipp Grohs, Samuel Lanthaler)
8. **Computational Complexity of Neural Network Approximation** (University of Vienna, Supervisor: Philipp Grohs)