

**1st VSM Call for Applications (Deadlines: February 20, 2020/March 3, 2020/March 5, 2020)**

**1. Continuous Time Dynamics for Nonsmooth Optimization and Saddle Point Problems** (University of Vienna, Supervisor: R.I. Boţ); **application deadline 5 March**

**2. Differential Geometry** (University of Vienna, Supervisor: A. Cap); **application deadline 20 February**

**3. Combinatorics** (University of Vienna, Supervisor: I. Fischer); **application deadline 5 March**

**4. Sampling Theorems and Variable Bandwidth** (University of Vienna, Supervisor: K. Gröchenig); **application deadline 20 February**

**5. Analysis of Multicomponent Diffusion Systems with Incomplete Diffusion** (TU Wien, Supervisor: A. Jüngel); **application deadline 20 February**

**6. Structured Numerical Methods for PDEs Based on Low-Rank Tensor Networks and Artificial Neural Networks** (University of Vienna, Supervisor: V. Kazeev); **application deadline 5 March**

**7. Combinatorics** (University of Vienna, Supervisor: C. Krattenthaler); **application deadline 20 February**

**8. Extendibility of Spacetimes and Lorentzian Length Spaces** (University of Vienna, Supervisor: M. Kunzinger); **application deadline 20 February**

**9. Several Complex Variables** (University of Vienna, Supervisor: B. Lamel); **application deadline 5 March**

**10. Machine Learning Photochemistry with Low-Rank Tensor Approximation Techniques** (University of Vienna, Supervisors: P. Marquetand, U. Stefanelli); **application deadline 20 February**

**11. The Borel Reducibility Hierarchy** (University of Vienna, Supervisor: B. Miller); **application deadline 5 March**

**12. Deep Neural Network-Based Solutions of Problems in Numerical Analysis** (University of Vienna, Supervisor: P. Petersen); **application deadline 20 February**

**13. Deep Learning in Financial and Actuarial Mathematics** (TU Wien, Supervisor: T. Rheinländer); **application deadline 20 February**

**14. Isoperimetric Problems in Integral Geometry** (TU Wien, Supervisor: F. Schuster); **application deadline 20 February**

**15. Variational Methods for Evolution Equations** (University of Vienna, Supervisor: U. Stefanelli); **application deadline 20 February**

**16. Variational Modeling of Molecular Geometries** (University of Vienna, Supervisor: U. Stefanelli); **application deadline 3 March**

**17. Two-Dimensional Stochastic Interface Growth** (TU Wien, Supervisor: F. Toninelli); **application deadline 20 February**

**18. Regularity and Approximations in Optimal Control** (TU Wien, Supervisor: V. Veliov); **application deadline 20 February**