

# Siegmundsburg Seminar on Analysis & Theoretical Numerics

July 22–24, 2014, Siegmundsburg/Thuringia

## Tuesday, July 22, 2014

- individual travelling to Siegmundsburg*
- 13:00 – 14:00 *Lunch*
- 14:30 – 15:15 **Thomas Kühn** (Leipzig)  
*"Metric entropy and applications in high-dimensional problems"*
- 15:20 – 16:00 **Robert Kunsch** (Jena)  
*"Bernstein Numbers and Lower Bounds for the Monte Carlo Error"*
- 16:00 – 16:30 *Coffee break*
- 16:30 – 17:10 **Nguyen Van Kien** (Jena)  
*"Weyl numbers and eigenvalues of operators"*
- 17:15 – 17:55 **Kai Kümmel** (Jena)  
*"Stochastic Integration in Hilbert–Schmidt Tensor spaces"*
- 18:30 – 19:30 *Dinner*

## Wednesday, July 23, 2014

- 8:00 – 9:00 *Breakfast*
- 9:00 – 9:40 **Vít Musil** (Prague)  
*"Optimality of Orlicz Domain in Sobolev Embeddings"*
- 9:40 – 10:20 **Helena Gonçalves** (Chemnitz)  
*"On trace spaces of 2-microlocal type spaces"*
- 10:20 – 10:50 *Coffee break*
- 10:50 – 11:30 **Siegfried Beckus** (Jena)  
*"Periodic approximation of 1-dimensional Schrödinger operators"*
- 11:30 – 12:10 **Glenn Byrenheid** (Bonn)  
*"Discrete Littlewood-Paley type sampling representations in Triebel-Lizorkin spaces and applications to sampling numbers"*
- 12:15 – 13:15 *Lunch*
- 13:30 – 18:30 *Hiking tour*
- 19:00 – 20:00 *Dinner*

## Thursday, July 24, 2014

- 8:00 – 9:00 *Breakfast*
- 9:00 – 9:40 **Martin Křepela** (Prague)  
*"Spaces with norms based on iterated Hardy operators"*
- 9:40 – 10:20 **Therese Mieth** (Jena)  
*"Dirichlet-Neumann-bracketing"*
- 10:20 – 10:50 *Coffee break*
- 10:50 – 11:30 **Lukáš Malý** (Linköping/Prague)  
*"Various approaches to Sobolev-type functions on metric spaces"*
- 11:30 – 12:10 **Christian Richter** (Jena)  
*"Distance sum minimization with respect to several convex sets"*
- 12:15 – 13:15 *Lunch*
- departure from Siegmundsburg*