



DFG

International Workshop
**Function spaces and
high-dimensional approximation**
Naumburg/Saale (Germany), August 31 - September 4, 2026

Tuesday, September 1, 2026

9.00 – 9.50 **Fernando Cobos** (Universidad Complutense de Madrid)
'Duality and Besov-Lorentz spaces'

9.50 – 10.40 **Cornelia Schneider** (Friedrich Alexander Univ. Erlangen-Nuremberg)
'Neural network analysis made easy'

Coffee break

11.10 – 12.00 **Yoshihiro Sawano** (Chuo University Tokyo)
'Sobolev–Morrey Spaces and Divergence-Form Degenerate Second-Order Elliptic Equations on Domains with Higher Co-Dimensional Boundaries'

12.00 – 12.50 **Marc Hovemann** (Friedrich Schiller University Jena)
'Optimal Exponential Convergence of Adaptive Quarklet Schemes for Elliptic Operator Equations'

Lunch break

15.00 – 15.50 **Jonas Sauer** (Friedrich Schiller University Jena)
'Optimal Sobolev Regularity for Degenerate Equations of Porous Media Type'

Coffee break

16.20 – 16.50 **Daan van Dijk** (Friedrich Schiller University Jena)
'Interpolation of Transmission Spaces'

16.50 – 17.20 **Romarc Kana Nguedia** (Friedrich Schiller University Jena)
'On the Cauchy problem for the generalized Burgers' equation'

Wednesday, September 2, 2026

9.00 – 9.50 **Dachun Yang** (Beijing Normal University)
'Lifted Hardy–Littlewood Maximal Operators'

9.50 – 10.40 **Mario Ullrich** (Johannes Kepler University Linz)
'Inequalities between s -numbers and n -widths'

Coffee break

11.10 – 12.00 **Wen Yuan** (Beijing Normal University)
'A Framework of Besov-Triebel-Lizorkin Type Spaces Based on Ball Quasi-Banach Function Sequence Spaces'

13.00 – 18.30 ***Time for individual sightseeing, discussions, ...***

Thursday, September 3, 2026

9.00 – 9.50 **Leszek Skrzypczak** (Adam Mickiewicz University Poznań)
'On compactness of the Fourier transform'

9.50 – 10.40 **Tino Ullrich** (Technical University Chemnitz)
'Greedy sampling designs and reduced basis methods. Optimal recovery in the uniform norm'

Coffee break

11.10 – 11.40 **Guillaume Neuttiens** (Friedrich Schiller University Jena)
'An abstract approach to boundary problems in L^p '

11.40 – 12.10 **Bernd Käßemodel** (Technical University Chemnitz)
'A periodization strategy for numerical integration of functions with bounded mixed second-order derivatives'

Lunch break

15.00 – 15.50 ***Open Problem Session***

Coffee break

16.20 – 17.10 **Thomas Kühn** (University Leipzig)
'Entropy numbers of Sobolev and Gevrey embeddings'