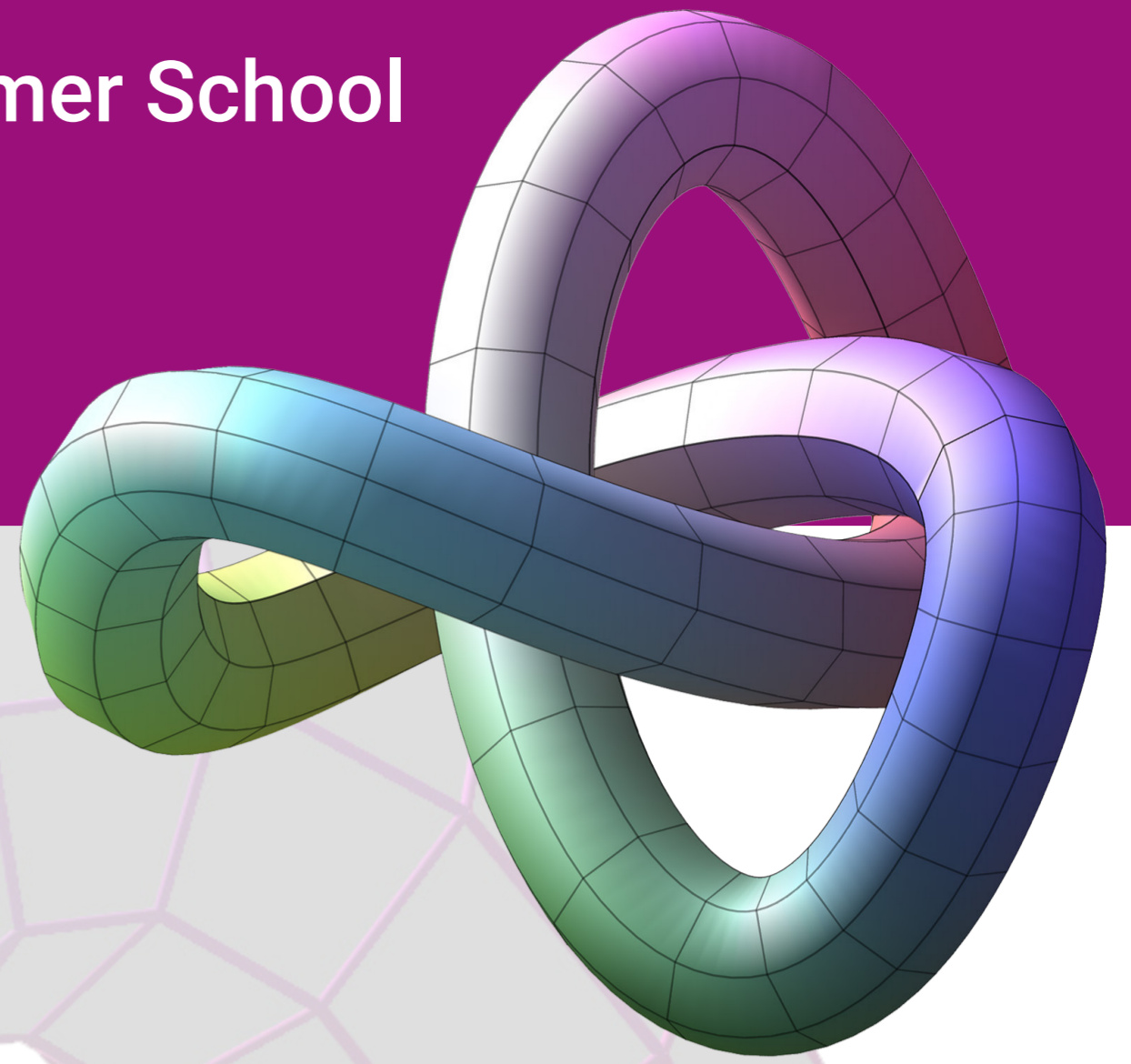




UNIVERSITY OF TECHNOLOGY
IN THE EUROPEAN CAPITAL OF CULTURE
CHEMNITZ

Workshop and Summer School on Applied Analysis 2023



Date

from Monday,
September 18, 9:15 a.m.

to Friday,
September 22, 1:00 p.m.

Location

Universitätsbibliothek
(University Library)
Straße der Nationen 33
09111 Chemnitz
Germany

Accommodation

Participants should take
care of accommodation
themselves.
A list of hotels can be
found on the webpage.

Organizers

Franziska Nestler
Daniel Potts
Martin Stoll
Tino Ullrich

Web & Contact

Lectures

- **Imma Curato** (Universität Ulm)
Statistical Learning Theory
- **Michael Elad** (Technion Israel Institute of Technology)
Foundation of Image Synthesis in Machine Learning
Introduction to Diffusion Models for Image Synthesis
- **Dirk Nuyens** (KU Leuven)
Lattice Methods and Applications
- **Felix Voigtlaender** (KU Eichstätt-Ingolstadt)
From Nonlinear Approximation to Sampling
Approximation Properties of Neural Networks
- **Konstantinos Zygalakis** (University of Edinburgh)
Stochastic Differential Equations, Discrete Approximations,
and Connections to Optimization and Sampling Algorithms

Talks & Posters

Participants are encouraged to present their own research in
the form of talks or posters.

