

Mathematical Logic: Proof theory, Constructive Mathematics

This Workshop is part of the series of workshops on Mathematical Logic, with an emphasis on proof theory and constructive mathematics. The workshop focuses on proofs both as formal derivations in deductive systems as well as on the extraction of explicit computational content from given proofs in core areas of ordinary mathematics using proof-theoretic methods. At the workshop we aim to focus on the following research strands:

- Interactions between foundations and applications.
- Proof mining.
- Constructivity in classical logic.
- Type theory, homotopy type theory, and constructive set theory.
- Modal logic and provability logic.
- Proof theory and theoretical computer science.
- Structural proof theory.