



# SUMMER SCHOOL ON **Types, Sets and Constructions**

**Organizers:** Douglas S. Bridges, Michael Rathjen, Peter Schuster, Helmut Schwichtenberg

**Date:** May 3 – 9, 2018 (except Sunday, 6<sup>th</sup>)

**Location:** Hausdorff Research Institute for Mathematics (HIM), Bonn

This school provides an introduction to some of the main topics of the trimester program; the lectures mainly aim at graduate students and young researchers.

- Peter Aczel ***Constructive set theory***
- Robert Constable ***Proof assistants and formalization***
- Thierry Coquand ***Constructive algebra***
- Martín Escardó ***Univalent type theory***
- Matthew Hendtlass ***Constructive analysis***
- Simon Huber ***Homotopy type theory***
- Rosalie Iemhoff ***Structural proof theory***
- Ulrich Kohlenbach ***Extraction of information from proofs***
- Per Martin-Löf ***Intuitionistic type theory***
- Andreas Weiermann ***Higher proof theory and combinatorics***



**Call for participation:** Financial support for PhD students and postdocs is available. Please send applications (including a letter of intent, a CV, and a letter of recommendation) using the online application form at [www.him.uni-bonn.de/types-sets-constructions/summer-school/](http://www.him.uni-bonn.de/types-sets-constructions/summer-school/). The deadline for applications is: February 28, 2018.