

# Summer School

## $L^2$ -Torsion and Symmetric Spaces

30 September – 4 October 2019

Göttingen

### Lecture series

**Nicolas Bergeron (IMJ-PRG)**

From torsion in homology to  $L^2$ -torsion and back

**Damian Gaboriau (CNRS, ENS de Lyon)**

Introduction to measured group theory

**Steffen Kionke (KIT)**

Introduction to arithmetic groups and their cohomology

**Werner Müller (Universität Bonn)**

Analytic torsion of locally symmetric spaces  
and cohomology of arithmetic groups

### Special talk

**Günter Harder (MPIM, Bonn)**

Special values of L-functions and the structure of the  
Cohomology of Arithmetic Groups

#### Organisation committee

Jitendra Bajpai  
Harald Helfgott  
Thomas Schick  
Engelbert Suchla

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[www.uni-math.gwdg.de/l2t2019/](http://www.uni-math.gwdg.de/l2t2019/)

Supported by:



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