

# VERANSTALTUNGSKALENDER der Bonner Mathematik

Die Termine vom 15.10.2018 bis 21.10.2018

Mathematisches Institut

Institut für Numerische Simulation

Hausdorff Research Institute for Mathematics

Institut für Angewandte Mathematik

Max-Planck-Institut für Mathematik

Forschungsinstitut für Diskrete Mathematik



## Montag, 15.10.2018

16.30–18.00 MPI Topology Seminar  
**Hannah Schwartz (Bryn Mawr College):** *Using 2-torsion to obstruct topological isotopy*  
[Vivatsgasse 7, Hörsaal MPI](#)

## Dienstag, 16.10.2018

10.30–12.00 Oberseminar Mathematische Logik  
**Philipp Lücke (Bonn):** *Tree forcings at higher cardinals*  
[Endenicher Allee 60, Raum N0.003](#)

11.00–12.00 Hausdorff Trimester Program (HTP)  
**Harald Andres Helfgott (Universität Göttingen):** *Lecture Series VII: Growth and expansion in linear algebraic groups, Part I*  
[Poppelsdorfer Allee 45](#)

12.00–13.00 DyGIT Seminar: (Dynamics, Geometry and Interactions on Tuesdays)  
**Polyxeni Spilioti (Universität Tübingen/MPIM, Bonn):** *The twisted dynamical zeta functions of Ruelle and Selberg of locally symmetric spaces of rank 1 and applications*  
[Vivatsgasse 7, Hörsaal MPI](#)

14.00–16.00 **Fällt aus - Cancelled** SFB/TR-45-Seminar  
**Lisa Li (Bonn):** *Seminar on Beyond Geometric Invariant Theory (after Daniel Halpern-Leistner): GIT quotients and the Kempf–Ness stratification*  
[Endenicher Allee 60, Raum 0.011](#)

14.00–15.00 Seminar on Algebra, Geometry and Physics  
**Noémie Combe (Université Pierre et Marie Curie, Paris/MPIM, Bonn):** *A new Cech cover of the configuration space of  $n$  unordered points of affine line and its application to the study of  $\overline{M}_{0,n}$ .*  
[Vivatsgasse 7, Hörsaal MPI](#)

14.00–16.00 Arithmetische Geometrie-Oberseminar (ARGOS)  
**Sergei Iakovenko:**  *$\delta$ -rings*  
[Endenicher Allee 60, Raum 0.006](#)

## Dienstag, 16.10.2018

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| 14.15       | Oberseminar Global Analysis and Operator Algebras<br><b>Yang Liu</b> : <i>Calculus of variation in noncommutative geometry</i><br>Endenicher Allee 60, Raum 0.008 |
| 17.00–18.00 | Oberseminar Topologie<br><b>Nima Rasekh (MPIM, Bonn)</b> : <i>Fundamental Group and Natural Number Objects</i><br>Endenicher Allee 60, Raum 1.008                 |
| 17.00–18.00 | Oberseminar Topologie<br><b>Nima Rasekh (MPIM, Bonn)</b> : <i>Fundamental Group and Natural Number Objects</i><br>Endenicher Allee 60, Raum 1.008                 |

## Mittwoch, 17.10.2018

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| 11.00–12.00 | Hausdorff Trimester Program (HTP)<br><b>Harald Andres Helfgott (Universität Göttingen)</b> : <i>Lecture Series VII: Growth and expansion in linear algebraic groups, Part II</i><br>Poppelsdorfer Allee 45  |
| 14.30–15.30 | Number theory lunch seminar<br><b>Daniel El-Baz (Tel Aviv Universität/MPIM, Bonn)</b> : <i>Effective equidistribution of rational points on certain expanding horospheres</i><br>Vivatsgasse 7, Hörsaal MPI |
| 16.30–18.00 | IMPRS-Seminar<br><b>Tobias Lenz (MPIM, Bonn)</b> : <i>Equivariant algebraic K-theory</i><br>Vivatsgasse 7, Seminarraum MPI  |

## Donnerstag, 18.10.2018

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| 10.00–12.00 | Learning seminar on deformation theory<br><b>Alex Betts (MPIM, Bonn)</b> : <i>Deformation problems</i><br>Vivatsgasse 7, Seminarraum MPI  |
| 10.30–11.30 | Seminar Algebraic Geometry (SAG)<br><b>Emanuele Macri (Northeastern U)</b> : <i>Strong Bogomolov inequalities for sheaves on threefolds</i><br>Vivatsgasse 7, Hörsaal MPI                                   |
| 11.00–12.00 | Hausdorff Trimester Program (HTP)<br><b>Harald Andres Helfgott (Universität Göttingen)</b> : <i>Lecture Series VII: Growth and expansion in linear algebraic groups, Part III</i><br>Poppelsdorfer Allee 45 |
| 13.15–15.00 | Vorlesung<br><b>Peter Teichner (MPIM, Bonn)</b> : <i>Topology of 4-Manifolds</i><br>Vivatsgasse 7, Hörsaal MPI  |
| 15.00–16.00 | MPI-Oberseminar<br><b>Alexandra Kjuchukova, Bingxiao Liu, Fosco Loregian (MPIM, Bonn)</b> : <i>New guests at the MPIM</i><br>Vivatsgasse 7, Hörsaal MPI   |
| 16.00–18.00 | Arbeitsgemeinschaft Arithmetische Geometrie<br><b>Lucia MocZ</b> : <i>A CM Northcott property for Faltings height</i><br>Endenicher Allee 60, Raum 0.006  |

## Donnerstag, 18.10.2018

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| 16.30–17.30 | <p>Oberseminar Stochastik<br/> <b>Guillaume Barraquand (CNRS and École Normale Supérieure):</b> <i>Exact solution of the KPZ equation on the positive reals</i><br/> <a href="#">Endenicher Allee 60, Raum 1.016 (Lipschitz-Saal)</a></p> |
| 16.30–17.30 | <p>Oberseminar Differentialgeometrie<br/> <b>Maxime Fortier-Bourque (University of Glasgow):</b> <i>Local maxima of the systole function</i><br/> <a href="#">Vivatsgasse 7, Hörsaal MPI</a></p>  |
| 16.30–19.00 | <p>Working group on Grothendieck-Teichmüller groups<br/> <b>Alexander Betts (MPIM, Bonn):</b> <i>Presentation of number theory aspects of Ihara's paper</i><br/> <a href="#">Vivatsgasse 7, Seminarraum MPI</a></p>                       |

## Freitag, 19.10.2018

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| 10.30–11.30 | <p>Oberseminar Representation Theory<br/> <b>Kevin Coulembier (University of Sydney/MPIM, Bonn):</b> <i>Ringel duals of Brauer algebras via super groups</i><br/> <a href="#">Endenicher Allee 60, Raum 1.007</a></p>                           |
| 14.15       | <p>Graduate Seminar on Advanced Topics in PDE<br/> <b>Immanuel Zachhuber (Universität Bonn):</b> <i>The continuous Anderson Hamiltonian and related stochastic evolution equations</i><br/> <a href="#">Endenicher Allee 60, Raum 0.011</a></p> |