

VERANSTALTUNGSKALENDER der Bonner Mathematik

Die Termine vom 20.11.2017 bis 26.11.2017

Mathematisches Institut

Institut für Numerische Simulation

Hausdorff Research Institute for Mathematics

Institut für Angewandte Mathematik

Max-Planck-Institut für Mathematik

Forschungsinstitut für Diskrete Mathematik



DIESE WOCHE

Kolloquium – Mittwoch, 22.11.2017

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|-------|--------------------------------------|
| 14.30 | Gang Tian (Princeton) |
| 16.00 | G rard Ben Arous (Courant Institute) |

Montag, 20.11.2017

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| 09.50–10.40 | 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Shun'ichi Yokoyama (Kyushu University): <i>Number theory with Magma: for performant and flexible computation</i>
Vivatsgasse 7, H rsaal MPI |
| 11.00–12.00 | Winter School: Categorification, representation theory and symplectic geometry
Volodymyr Mazorchuk: <i>Introduction to 2-representation theory (part I)</i>
Poppelsdorfer Allee 45, Vortragssaal HIM |
| 11.10–12.00 | 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Takashi Nakamura (okyo University of Science): <i>Selberg's orthonormality conjecture and joint universality of L-functions</i>
Vivatsgasse 7, H rsaal MPI |
| 12.00–13.00 | Bernhard Schmitzer (Universit t M nster): <i>Optimal transport: unbalanced extensions and efficient sparse algorithms</i>
Endenicher Allee 60, Raum 1.016 (Lipschitz-Saal) |
| 13.50–14.50 | Winter School: Categorification, representation theory and symplectic geometry
Andrew Mathas: <i>Cyclotomic KLR algebras (part I)</i>
Poppelsdorfer Allee 45, Vortragssaal HIM |
| 14.00–15.00 | Ramiro Lafuente (Universit t M nster): <i>Homogeneous Ricci flows</i>
Endenicher Allee 60, Raum 1.016 (Lipschitz-Saal) |
| 14.00–14.50 | 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Shingo Sugiyama (Kyushu University): <i>Explicit trace formulas for symmetric square L-functions for GL(2) and some applications</i>
Vivatsgasse 7, H rsaal MPI |
| 15.00–15.50 | 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Hiroshi Sakata (Waseda University Senior High School): <i>A certain level-index changing operator on Jacobi cusp new forms</i>
Vivatsgasse 7, H rsaal MPI |

Montag, 20.11.2017

- 15.00–16.00 Winter School: Categorification, representation theory and symplectic geometry
Eugene Gorsky: *Hilbert schemes and knot homology (part I)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 16.00 Toeplitz-Kolloquium
Hans Humenberger (Wien): *Experimente an gefüllten Prismen - was haben Schwerpunkte damit zu tun?*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 16.00–18.00 Lipschitz Lecture
G erard Ben Arous (Courant Institute of Mathematical Sciences, New York University): *Anomalous dynamics and disordered systems - Lecture I*
[Wegelerstra e 10, Gro er H rsaal](#)
- 16.30–18.00 Oberseminar Mathematische Logik
Philipp Schlicht (Universit t Bonn): *The Hurewicz dichotomy for definable subsets of generalized Baire spaces*
[Endenicher Allee 60, Raum 0.008](#)
- 16.30–17.00 MPI Topology Seminar
Peter Teichner (MPIM, Bonn): *Feynman diagrams and a spectral sequence for the space of knots*
[Vivatsgasse 7, Seminarraum MPI](#)
- 16.30–17.30 Winter School: Categorification, representation theory and symplectic geometry
Volodymyr Mazorchuk: *Introduction to 2-representation theory (part II)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 16.30–17.10 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Toshiki Matsusaka (Kyushu University): *Arithmetic formulas for the coefficients of the McKay-Thompson series*
[Vivatsgasse 7, H rsaal MPI](#)

Dienstag, 21.11.2017

- 09.30–10.30 Winter School: Categorification, representation theory and symplectic geometry
Catharina Stroppel -: *Springer fibres and generalised KLR algebras (part I)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 09.50–10.40 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Nabuo Sato (NCTS of National Taiwan University): *On Charlton's conjecture about the multiple zeta values*
[Vivatsgasse 7, H rsaal MPI](#)
- 11.00–12.00 Winter School: Categorification, representation theory and symplectic geometry
Yankı Lekili: *Fukaya categories and their appearance in representation theory (part I)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 11.00–12.00 **Alexey Bufetov (MIT, USA)**: *Global asymptotics of stochastic particle systems*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 11.10–12.00 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Yingkun Li (Technical University of Darmstadt): *Average values of higher Green's functions and their factorizations. 7*
[Vivatsgasse 7, H rsaal MPI](#)
- 14.00–16.00 SFB/TR-45-Seminar
Isabell Grosse-Brauckmann (Uni Bonn): *Moduli spaces of Higgs bundles and the Hitchin system: Higgs moduli space vs moduli space of stable sheaves on the cotangent bundle*
[Endenicher Allee 60, Raum 0.011](#)

Dienstag, 21.11.2017

- 14.00–16.00 Arithmetische Geometrie-Oberseminar (ARGOS)
Alexander Ivanov (Uni Bonn): *Applications of Mirkovic-Vilonen Cycles to affine Deligne-Lusztig Varieties*
[Endenicher Allee 60, Raum 0.006](#)
- 14.00–14.50 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Hiro-aki Narita (Kumamoto University): *Explicit constructions of non-tempered cusp forms on orthogonal groups of low split ranks*
[Vivatsgasse 7, Hörsaal MPI](#)
- 14.15–16.00 Oberseminar Global Analysis and Operator Algebras
Pablo Ramacher (Phillips-Universität Marburg): *On the growth of simultaneous eigenfunctions on a compact Riemannian manifold*
[Endenicher Allee 60, Raum 0.008](#)
- 15.00–15.50 GlobalMathNetwork: Opening Event
Barbara Niethammer (Universität Bonn): *On Smoluchowski's classical model for mass aggregation phenomena*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 15.00–16.00 Winter School: Categorification, representation theory and symplectic geometry
Yankı Lekili: *Fukaya categories and their appearance in representation theory (part II)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 15.00–15.50 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Hiraku Atobe (Tokyo University): *On the Miyawaki lifts of hermitian modular forms*
[Vivatsgasse 7, Hörsaal MPI](#)
- 16.30–17.20 GlobalMathNetwork: Opening Event
Hiroshi Kokubu (Kyoto University): *How do we understand the global structure of dynamics?*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 16.30–17.30 Winter School: Categorification, representation theory and symplectic geometry
Eugene Gorsky: *Hilbert schemes and knot homology (part II)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 16.30–17.10 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Annalena Wernz (RWTH Aachen): *The Hermitian modular group and the orthogonal group*
[Vivatsgasse 7, Hörsaal MPI](#)

Mittwoch, 22.11.2017

- 09.30–10.30 Winter School: Categorification, representation theory and symplectic geometry
Volodymyr Mazorchuk: *Introduction to 2-representation theory (part III)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 09.50–10.40 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Minoru Hirose (Kyushu University): *On a certain class of linear relations among the multiple zeta values arising from the theory of iterated integrals*
[Vivatsgasse 7, Hörsaal MPI](#)
- 10.15–11.45 **Takashi Kumagai (Kyoto University):** *Cutoff for lamplighter chains on fractals*
[Endenicher Allee 60, Raum 0.007](#)
- 10.30–12.00 Higher Differential Geometry Seminar
Mark David Penney (MPIM, Bonn): *4d TFTs, Categorical bialgebras, and 2-Segal spaces*
[Vivatsgasse 7, Seminarraum MPI](#)

Mittwoch, 22.11.2017

- 11.00–12.00 Winter School: Categorification, representation theory and symplectic geometry
Catharina Stroppel: *Springer fibres and generalised KLR algebras (part II)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 11.10–12.00 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Ren-he Su (Kyoto University): *On linear relations between L-values and arithmetic functions*
[Vivatsgasse 7, Hörsaal MPI](#)
- 14.00–14.50 52nd Seminar Aachen-Bonn-Köln-Lille-Siegen on Automorphic Forms
Nicole Raulf (University Lille): *On a mean value result for a product of L-functions*
[Vivatsgasse 7, Hörsaal MPI](#)
- 14.30–15.30 Hausdorff-Kolloquium
Gang Tian (Princeton): *Analytic Minimal Model Program*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 15.00–15.50 52nd Seminar Aachen-Bonn-Köln-Lille-Siegen on Automorphic Forms
Hiroki Aoki (Tokyo University of Science): *On the structure of mixed weight Hilbert modular forms*
[Vivatsgasse 7, Hörsaal MPI](#)
- 15.00–16.00 Winter School: Categorification, representation theory and symplectic geometry
Andrew Mathas: *Cyclotomic KLR algebras (part II)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 16.00–17.00 Hausdorff-Kolloquium
G erard Ben Arous (Courant Institute): *The complexity of spike tensors*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 16.30–17.30 52nd Seminar Aachen-Bonn-K ln-Lille-Siegen on Automorphic Forms
Robert Pollack (Boston University/MPIIM): *Computing weight 1 forms – a p-adic approach*
[Vivatsgasse 7, H rsaal MPI](#)
- 16.30–17.30 Winter School: Categorification, representation theory and symplectic geometry
Eugene Gorsky: *Hilbert schemes and knot homology (part III)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 16.30–18.00 IMPRS-Seminar
Walker Stern (MPIIM, Bonn): *Algebra up to homotopy*
[Vivatsgasse 7, Seminarraum MPI](#)
- 18.15 Sonstiges Kolloquium
Dr. Christoph Wockel (Ernst & Young GmbH Wirtschaftspr fungsgesellschaft): *Forensische Datenanalyse in einer Big Four Company*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 19.00–21.00 GlobalMathNetwork: Opening Event
Panel Discussion: "Internationalization in Science and Universities"
[HS2, Neues H rsaalzentrum, Endenicher Allee 19c, 53115 Bonn](#)

Donnerstag, 23.11.2017

- 09.30–10.30 Winter School: Categorification, representation theory and symplectic geometry
Andrew Mathas: *Cyclotomic KLR algebras (part III)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 09.50–10.40 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Kenji Makiyama (Kyoto Sangyo University): *A p-adic family of Saito-Kurokawa lifts for a Coleman family and the Bloch-Kato conjecture*
[Vivatsgasse 7, H rsaal MPI](#)

Donnerstag, 23.11.2017

- 10.00–10.50 **Jehanne Dousse (Universität Zürich):** *Exact and asymptotic enumeration of integer partitions*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 10.30 Seminar Algebraic Geometry (SAG)
Vladimir Guletskii (Liverpool): *Motivic obstruction to rationality of a very general cubic hypersurface in P^5*
[Vivatsgasse 7, Seminarraum MPI](#)
- 11.00–12.00 Winter School: Categorification, representation theory and symplectic geometry
Yankı Lekili: *Fukaya categories and their appearance in representation theory (part III)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 11.10–12.00 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Tomomi Ozawa (University Paris 13): *Eisenstein and CM congruence modules defined over a real quadratic field*
[Vivatsgasse 7, Hörsaal MPI](#)
- 12.10–12.50 3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
Steffen Löbrich (University of Cologne): *Niebur-Poincaré Series and Regularized Inner Products*
[Vivatsgasse 7, Hörsaal MPI](#)
- 14.00–15.00 Oberseminar Analysis
Francesco Ghiraldin (Universität Basel): *Some recent results on measures arising from variational problems*
[Endenicher Allee 60, Raum 2.040](#)
- 14.15–15.15 **Francesco Ghiraldin Universität Basel:** *Some recent results on measures arising from variational problems*
[Endenicher Allee 60, Raum 2.040](#)
- 15.00–16.00 MPI-Oberseminar
Sibasish Banerjee, Giordano Cotti, Mark Penney (MPIM, Bonn): *New guests at the MPIM*
[Vivatsgasse 7, Hörsaal MPI](#)
- 15.00–16.00 Winter School: Categorification, representation theory and symplectic geometry
Yankı Lekili: *Fukaya categories and their appearance in representation theory (part IV)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)
- 16.00–18.00 Arbeitsgemeinschaft Arithmetische Geometrie
Yunqing Tang (Princeton University): *Exceptional splitting of reductions of abelian surfaces with real multiplication*
[Endenicher Allee 60, Raum 0.006](#)
- 16.30–17.30 Winter School: Categorification, representation theory and symplectic geometry
Catharina Stroppel: *Springer fibres and generalised KLR algebras (part III)*
[Poppelsdorfer Allee 45, Vortragssaal HIM](#)

Freitag, 24.11.2017

- Oberseminar Representation Theory
Cancelled due to the Winter School: Categorification, representation theory and symplectic geometry at HIM
[Endenicher Allee 60, Raum 1.008](#)
- 08.00–09.00 **Felix Joos (University of Birmingham):** *A journey through combinatorics*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)
- 09.00–10.00 **Anne Driemel (TU Eindhoven):** *Finding Structure in Curve Data*
[Endenicher Allee 60, Raum 1.016 \(Lipschitz-Saal\)](#)

Freitag, 24.11.2017

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| 09.30–10.30 | <p>Winter School: Categorification, representation theory and symplectic geometry
 Eugene Gorsky: <i>Hilbert schemes and knot homology (part IV)</i>
 Poppelsdorfer Allee 45, Vortragssaal HIM</p> |
| 09.50–10.40 | <p>3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
 Sho Takemori (MPIM): <i>Construction of vector valued Siegel modular forms and examples of congruences</i>
 Vivatsgasse 7, Hörsaal MPI</p> |
| 11.00–12.00 | <p>Winter School: Categorification, representation theory and symplectic geometry
 Catharina Stroppel: <i>Springer fibres and generalised KLR algebras (part IV)</i>
 Poppelsdorfer Allee 45, Vortragssaal HIM</p> |
| 11.10–12.00 | <p>3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
 Hidetaka Kitayama (Wakayama University): <i>Siegel modular forms with respect to non-split symplectic groups</i>
 Vivatsgasse 7, Hörsaal MPI</p> |
| 13.50–14.50 | <p>Winter School: Categorification, representation theory and symplectic geometry
 Andrew Mathas: <i>Cyclotomic KLR algebras (part IV)</i>
 Poppelsdorfer Allee 45, Vortragssaal HIM</p> |
| 14.00–16.00 | <p>Lipschitz Lecture
 G erard Ben Arous (Courant Institute of Mathematical Sciences, New York University): <i>Anomalous dynamics and disordered systems - Lecture II</i>
 Wegelerstra e 10, Kleiner H rsaal</p> |
| 14.10–15.00 | <p>3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
 Claudia Alfes-Neumann (University of Paderborn): <i>Regularized theta lifts of integral weight harmonic Maass forms I</i>
 Vivatsgasse 7, H rsaal MPI</p> |
| 14.15–15.45 | <p>Graduate Seminar on Advanced Topics in PDE
 Felix Voigtlaender (TU Berlin): <i>Understanding sparsity properties of frames using decomposition spaces</i>
 Endenicher Allee 60, Raum 0.006</p> |
| 15.00–16.00 | <p>Winter School: Categorification, representation theory and symplectic geometry
 Volodymyr Mazorchuk: <i>Introduction to 2-representation theory (part IV)</i>
 Poppelsdorfer Allee 45, Vortragssaal HIM</p> |
| 15.30–16.10 | <p>3rd Japanese-German Number Theory Workshop, November 20 - 24, 2017
 Markus Schwagenscheidt (Technical University Darmstadt): <i>Regularized theta lifts of integral weight harmonic Maass forms II</i>
 Vivatsgasse 7, H rsaal MPI</p> |
| 16.00–17.00 | <p>Ruming Zhang (Universit t Bremen): <i>Scattering of waves by periodic structures</i>
 Endenicher Allee 60, Raum 1.016 (Lipschitz-Saal)</p> |