

# VORTRÄGE

Kaffeejause 15:45

**Mittwoch, 14. November 2018 16:15 bis 17:15**, Sky Lounge, 12. OG, OMP 1

**Mathematisches Kolloquium: Fernando Rodriguez Villegas (ICTP Trieste): "Combinatorics and Geometry"**

Org: M. Saikia, Ch. Krattenthaler

**Abstract:** Can you tell a ball from a doughnut by counting? A. Weil discovered in the 1940's that the geometry of a complex algebraic variety reflected in a precise way on its versions over finite fields. In this talk we will discuss the interaction between complex geometry and finite field geometry. This interaction between the continuous and the discrete has been a very fruitful two-way street that allows the transfer of important results from one context to the other.

**Im Anschluss: vinum cum pane**

**Montag, 05. November 2018 09:30 bis Mittwoch, 14. November 2018 11:00**, SR15 or SR16

**VDS Mathematics: Prof. Fernando Rodriguez Villegas (ICTP): "VDS Mini-course on Combinatorics, groups and algebraic varieties"**

Org: Vienna Doctoral School of Mathematics

<https://vd.univie.ac.at/vienna-doctoral-schools/mathematics/activities/events/>

**Dienstag, 13. November 2018 10:30 bis Freitag, 16. November 2018 11:30**, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2, 1090 Wien

**Thematic Programme: "Bivariant K-theory in Geometry and Physics"**

Org: Alan Carey (ANU, Canberra), Harald Grosse (U Vienna), Bram Mesland (U Bonn), Adam Rennie (U Wollongong), Walter van Suijlekom (Radboud U Nijmegen)

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/SR\\_Seminars\\_Week2-1.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/SR_Seminars_Week2-1.pdf)

**Dienstag, 13. November 2018 13:15 bis 14:45**, Seminar room 13, 2nd floor, Oskar-Morgenstern-Platz 1, 1090 Vienna

**Complex Analysis Seminar: Travis Willse (University of Vienna): "Tractor geometry of CR structures III"**

Org: Bernhard Lamel

**Dienstag, 13. November 2018 13:15 bis 14:45**, SR 01, EG, OMP 1

**SE Number Theory Seminar: Jie Lin (Universität Duisburg-Essen): "On factorization of automorphic periods"**

Org: H. Grobner, A. Minuez, A. Mellit

**Dienstag, 13. November 2018 13:15 bis 14:45**, SR 12, 2. OG, OMP 1

**SE Bernstein-Sato polynomials and D-modules: C. Novarini (Universität Wien): "Holonomic modules and the Bernstein-sato functional equation"**

Org: H. Hauser

**Dienstag, 13. November 2018 13:45 bis 14:30**, TU Wien, Getreidemarkt 9, Maschinengebäude, 1st floor, HS Kleiner Schiffbau

**SE Mathematische Physik (Joint TU/UV Theory Seminar): Wolfgang Wieland (Perimeter Institute for Theoretical Physics, Waterloo, Canada): "Loop Quantum Gravity and the Continuum"**

Org: S. Fredenhagen, D. Grumiller, D. Erkiner, R. Wutte

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/Seminareinladung\\_Mathematik\\_Wieland\\_13NOV2018.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Seminareinladung_Mathematik_Wieland_13NOV2018.pdf)

**Dienstag, 13. November 2018 14:15 bis 15:15**, SR 7, 2. OG., OMP 1

**Vortrag: Zuhair Nashed (University of Central Florida, USA): "Perturbation Analysis for Generalized Inverses and the Role of Outer Inverses in Regularization and Approximation of Ill-Posed Problems"**

Org: O. Scherzer

**Dienstag, 13. November 2018 15:00 bis 17:00**, SR. 8, 2. OG, OMP 1  
**Geometry and Analysis on Groups Research Seminar: Michael Magee (Durham University): "Unitary matrix integrals, surfaces, and Euler characteristics"**  
Org: G. Arzhantseva, Ch. Cashen  
<https://www.mat.univie.ac.at/~gagt/abstracts/181113.html>

**Dienstag, 13. November 2018 15:00 bis 15:45**, BZ 9, 9. OG, OMP1  
**AG Biomathematik: Magnus Zanon (Uni Wien): "TBA"**  
Org: R. Bürger, J. Hermisson, J. Hofbauer  
<https://homepage.univie.ac.at/Reinhard.Buerger/AGBio.html>

**Dienstag, 13. November 2018 15:15 bis 16:45**, Dissertantenraum, Freihaus, Turm A, 8. OG.,  
Wiedner Hauptstr. 8-10, 1040 Wien  
**Emma Yu Jin (TU Wien): "Fishburn family and Euler--Stirling statistics"**  
Org: M. Drmota  
<http://www.dmg.tuwien.ac.at/nfn/agdm.html>

**Dienstag, 13. November 2018 16:15 bis 17:00**, Fakultät für Physik, Erwin Schrödinger-Hörsaal,  
Boltzmanng. 5, 5. St., 1090 Wien  
**SE Teilchenphysik: Markus Diehl (DESY, Hamburg): "Double parton scattering: basics and recent theory developments"**  
Org: S. Hoang, S. Plätzer  
[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/S\\_eminareinladungTeilchenphysik\\_Diehl\\_13November2018.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/S_eminareinladungTeilchenphysik_Diehl_13November2018.pdf)

**Mittwoch, 14. November 2018 10:00 bis 12:00**, BZ 2, 2. OG., OMP 1  
**Geometry and Analysis on Groups Research Seminar: Arindam Biswas (Universität Wien): "Covering systems, minimum modulus problem and generalisations"**  
Org: G. Arzhantseva, Ch. Cashen  
<https://www.mat.univie.ac.at/~gagt/abstracts/181114.html>

**Mittwoch, 14. November 2018 13:30 bis 14:30**, SR. 8, 2. OG, OMP 1  
**SE NuHag: Thomas Sauer (Universität Passau): "Hankel operators of finite rank and applications"**  
Org: KH. Gröchenig  
[https://www.univie.ac.at/nuhag-php/program/talks\\_details.php?id=3632](https://www.univie.ac.at/nuhag-php/program/talks_details.php?id=3632)

**Mittwoch, 14. November 2018 14:00 bis 14:45**, HS 11, 2. OG, OMP 1  
**PDE Afternoon: Hans Knüpfer (Universität Heidelberg, Germany): "On Born's conjecture about optimal distribution of charges for an infinite ionic crystal"**  
Org: DK, FSB  
<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=149>

**Mittwoch, 14. November 2018 15:00 bis 15:45**, Sky Lounge, 12. OG, OMP 1  
**PhD-Colloquium: Florian Aigner (Universität Wien): "An Introduction to Alternating Sign Matrices (A Combinatorial Story of Missing Bijections)"**  
Org: Vienna Doctoral School of Mathematics  
<https://vd.univie.ac.at/vienna-doctoral-schools/mathematics/activities/events/>

**Mittwoch, 14. November 2018 15:00 bis 15:30**, HS 11, 2. OG, OMP 1  
**PDE Afternoon: Carl-Martin Pfeiler (Vienna University of Technology): "TBA"**  
Org: DK, FSB  
<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=150>

**Mittwoch, 14. November 2018 15:30 bis 16:00**, HS 11, 2. OG, OMP 1  
**PDE Afternoon: David Melching (University of Vienna): "TBA"**  
Org: DK, FSB  
<https://www.univie.ac.at/sfb65/#!/public/events/details/?type=1&id=151>

**Mittwoch, 14. November 2018 18:00 bis 19:30**, Planetarium, Oswald Thomas Platz, 1020 Wien  
**Roland Steinbauer (Universität Wien): "Gravitation und Raumzeitkrümmung"**

Org: Planetarium Wien

<https://www.vhs.at/de/k/292467336>

**Donnerstag, 15. November 2018 16:00 bis 17:00**, KGRC, Währinger Straße 25, 1090 Wien, lecture room O2.101

**SE KGRC: Russell Miller (Queens College, City University of New York (CUNY), USA): "Hilbert's Tenth Problem for Subrings of the Rational Numbers"**

Org: KGRC

[http://www.logic.univie.ac.at/2018/Talk\\_11-15\\_a.html](http://www.logic.univie.ac.at/2018/Talk_11-15_a.html)