

## Vorträge

Mittwoch, 29. Jänner 2014, ab 16:15 Uhr, Sky Lounge (12. Stock),  
Oskar-Morgenstern-Platz 1, 1090 Wien

**Mathematisches Kolloquium – Antrittsvorlesung**

Univ.Prof. Ulisse Stefanelli, Phd.: Crystals

*Abstract: Crystals constitute a prominent state of matter. Their geometries and beauty have fascinated mankind since its early ages. Ever since, the specific mechanical and electromagnetic properties of crystalline aggregates have been at the basis of crucial technologies including optics, metallurgy, and electronics. Correspondingly, the understanding of crystal formation has been subject of constant attention over the centuries.*

*From the mathematical standpoint however, crystallization phenomena are to a large extent still eluding rigorous treatment. By restricting to ideal, zero-temperature situations, one resorts to consider suitable classes of particle-interaction functionals. Crystallization then corresponds to prove the periodicity of the minimizers of such functionals. In some distinguished cases, this variational perspective can shed light on the global geometry and the mechanics of crystalline solids. I will review some classical results on crystallization, highlight recent advances, and comment on the many open questions.*

15:45 Uhr – 16:15 Uhr K & K

16:15 Uhr – Vortrag, anschließend kleines Buffet

Dekan Univ.-Prof. Dr. Harald Rindler

Montag, 27. Jänner 2014, 12:00 Uhr, 12 OG. Sky Lounge, Oskar-Morgenstern-Platz 1, 1090  
Wien,

Herwig Hauser: „Einführung zum Dodekaederstern“

Montag, 27. Jänner 2014, von 15:15 Uhr bis 17:00 Uhr, SR 11, Oskar-Morgenstern-Platz 1, 1090  
Wien

**Arbeitsgemeinschaft Ergodentheorie**

Imre Peter Toth: “Averaging and convergence to a Markov jump process in a heat conduction  
model with collisions”

[http://mat.univie.ac.at/~zweimueller/AG\\_ETHY.html](http://mat.univie.ac.at/~zweimueller/AG_ETHY.html)

Montag, 27. Jänner 2013, ab 13:30 Uhr, TU Wien, Seminarraum 187/2, Favoritenstr. 9-11,  
Stiege 3, 2. Stock, 1100 Wien

**WPI Talk**

Alessandro Provetti Department of Mathematics and Informatics: Analysis of heterogeneous  
networks of humans and cultural objects: first results

Dienstag, 28. Jänner 2014, von 15:15 bis 16:45 Uhr, TU Dissertantenraum, Freihaus, Turm A, 8.  
Stock, Wiedner Hauptstraße 8-10, 1040 Wien

**AG Diskrete Mathematik Seminar**

Arthur Hoffmann-Ostenhof: „On Cubic Graphs With Special Circuit Double Cover Properties”

Link: <http://www.dmg.tuwien.ac.at/nfn.agdm.html>

Dienstag, 28. Jänner 2014, von 15:00 Uhr bis 17:00 Uhr, Seminarraum 8, 2. Stock  
Oskar-Morgenstern-Platz 1, 1090 Wien

**Geometry and Analysis on Groups – Research Seminar**

Hiroshi Ando: „Finite type Polish groups”

Dienstag, 28. Jänner 2014, von 17:00 Uhr bis 18:30 Uhr, Seminarraum 12, Oskar-Morgenstern-Platz. 1, 1090 Wien

**Vortrag im Rahmen des Seminars Wahrscheinlichkeitstheorie**

Walter Schachermayer: Working group: "Markov processes and related functional inequalities"

Organized by: Jiri Cerny

Link: [http://www.mat.univie.ac.at/~finance\\_hp/seminarSS13.html](http://www.mat.univie.ac.at/~finance_hp/seminarSS13.html)

Dienstag, 28. Jänner 2014, von 15:00 Uhr bis 16:30 Uhr,  
Seminarraum Biomathematik, 9. Stock, Oskar-Morgenstern-Platz 1, 1090 Wien

**Arbeitsgemeinschaft Biomathematik**

Josef Hofbauer: "Global stability in selection-migration models"

Donnerstag, 30. Jänner 2014, von 17:00 Uhr bis 18:30 Uhr, Seminarraum 11, 2 Stock,  
Oskar-Morgenstern-Platz 1, 1090 Wien

**Vortrag im Rahmen des Seminars Finanzmathematik**

Damir Filipovic: This talk is jointly organised with TU Wien and WU Wien

„Linear-Rational Term Structure Models“

[http://www.mat.univie.ac.at/~finance\\_hp/seminarWS13.html](http://www.mat.univie.ac.at/~finance_hp/seminarWS13.html)

Donnerstag, 30. Jänner 2014, von 16:00 Uhr bis 18:00 Uhr, Josephinum,  
SR (Zi. O2.101), Währingerstr. 25, 1090 Wien

**KGRC Research Seminar**

Hiroshi Ando: „On von Neumann's Theorem and Borel complexity of unitary equivalence modulo compact perturbations of self-adjoint operators“

[http://www.logic.univie.ac.at/Current\\_talk.html](http://www.logic.univie.ac.at/Current_talk.html)