

## Vorträge

**Mittwoch, 12. Jänner 2011, ab 16:15 Uhr, Seminarraum C 209, UZA 4**

**Mathematisches Kolloquium – Einladung zu einem Vortrag im Rahmen der Habilitation von Dr. Markus Grasmair „Non-smooth Variational Methods in Imaging and Inverse Problems“**

**Abstract:** Solving an ill-posed equation in a stable way is only possible, if some a-priori information about the expected solutions is available. Classically, such information consists of smoothness assumptions about the solutions; in many applications in image and signal processing, however, these assumptions are not appropriate. Instead, one may require a finite total variation or G-norm, or sparsity with respect to a Fourier or wavelet basis. With a Tikhonov type regularisation for the approximate solution of the ill-posed equation, this leads to non-differentiable, possibly non-convex variational functionals to be minimised. This talk will mainly focus on the theoretical properties of such regularisation methods with a strong emphasis on the derivation and discussion of their accuracy in the presence of noisy data.

**(Dekan Univ.-Prof. Dr. Rindler, Univ.-Prof. Dipl.-Ing. Dr. Scherzer)**

**Montag, 10. Jänner 2011 bis Mittwoch, 12. Jänner 2011, ESI Boltzmann Lecture Hall, Boltzmannngasse 9**

**Workshop**

**Harmonic and Complex Analysis and its Applications**

**organized by NuHAG**

**Details siehe Attachment**

**Dienstag, 11. Jänner 2011, ab 15:00 Uhr, Seminarraum D 103, UZA 4**

**Arbeitsgemeinschaft Biomathematik**

**Dr. Ryusuku Kon: “The periodical cicada problem: permanence induced by life cycle resonances”**

**Dienstag, 11. Jänner 2011, von 16:00 Uhr bis 17:00 Uhr, Seminarraum S1, Althanstraße 12-14, 1090 Wien**

**Vortrag im Rahmen des PJSE Research Seminars von**

**Univ.-Prof. Goulnara Arzhantseva, PhD**

**Myrto Kallipoliti: “A topological characterization of the plane and homogeneous continua”**

**Donnerstag, 13. Jänner 2011, ab 17:00 Uhr, Seminarraum C 207, UZA 4**

**(Kaffeejause: 16:45 Uhr bis 17:00 Uhr im Common Room)**

**Dissertantenkolloquium**

**Andreas Weidenhiller: Math Alumni Talk**

**Donnerstag, 13. Jänner 2011 ab 19:30 Uhr bis Samstag 15. Jänner 2011 ab 9:00 Uhr**

**Erwin Schrödinger/ 50 Years after**

**Details siehe Attachment**

**Freitag, 14. Jänner 2011, ab 10:00 Uhr, WPI Seminarraum C 714, UZA 4**

**Sabine Hittmeir: TBA**

**Freitag, 14. Jänner 2011, ab 12:15 Uhr, TU Institut für Diskrete Mathematik und Geometrie, Freihaus, grüner Turm (A), 5. Stock, kleiner Seminarraum 104, Wiedner Hauptstraße 8-10, 1040 Wien**

**Algebra Seminar**

**Michael Pinsker: TBA**