

Colloquium on Harmonic Analysis and Discrepancy Theory

Thursday, March 19, 2015

Place: Seminarraum C208, Mathematik, Steyrergasse 30/2, TU Graz

- 16:00: **Peter Grabner** (TU Graz)
Distributing many points on spheres: minimal energy and designs
- 16:45: **Florian Pausinger** (IST Austria)
On a family of multidimensional variations
- 17:30: **Luca Brandolini** (Univ. Bergamo, Italy)
Approximation of integrals in metric measure spaces

Friday, March 20, 2015

Place: Seminarraum 2 Geometrie, Kopernikusgasse 24/4, TU Graz
(under the frame of the DK Discrete Mathematics)

- 10:30: **Michael Drmota** (TU Wien)
Quasi-Random properties of the Thue-Morse sequence and related problems
- 11:00: **Gerhard Larcher** (Univ. Linz)
Analysis of lacunary trigonometric products and discrepancy of sequences in the unit interval

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- 14:00: **Giancarlo Travaglino** (Univ. Milano, Italy)
Decay of Fourier transforms and L^2 discrepancy
- 14:45: **Leonardo Colzani** (Univ. Milano, Italy)
 $L(p)$ and Weak- $L(p)$ estimates for the number of integer points in translated domains
- 15:30: **Giacomo Gigante** (Univ. Bergamo, Italy)
Low-discrepancy sequences for piecewise smooth functions on the two-dimensional torus