

Sechster Karlsruher Weihnachtsworkshop zur Geometrie und Zahlentheorie

December 15 to 17, 2008

Program

Monday, December 15

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| 9:30 | Reception Tea | in Room 1C02 in the Allianzgebäude |
| 10:00 – 11:00 | Irene Bouw (Ulm) | <i>Existence of covers of curves in positive characteristic</i> |
| 11:15 – 12:15 | Jérôme Los (Marseille) | <i>Bowen-Series type maps</i> |
| L u n c h b r e a k | | |
| 14:00 – 15:00 | Hannah Markwig (Göttingen) | <i>Counting plane elliptic tropical curves with fixed j-invariant</i> |
| 15:30 – 16:30 | Claus-Günther Schmidt (Karlsruhe) | <i>Critical automorphic L-values versus branching of finite dimensional representations</i> |
| 17:00 – 18:00 | Bernhard Köck (Southampton) | <i>Computing the derived functors of symmetric power functors</i> |

Tuesday, December 16

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| 09:00 – 10:00 | Saul Schleimer (Warwick) | <i>Polynomial-time word problems</i> |
| 10:15 – 11:15 | Gabi Link (Karlsruhe) | <i>Ergodic Geometry in the product of Hadamard spaces</i> |
| 11:30 – 12:30 | Piotr Przytycki (Warsaw) | <i>Simplicial nonpositive curvature</i> |
| L u n c h b r e a k | | |
| 14:00 – 15:00 | Athanase Papadopoulos (Strasbourg) | <i>Complexity in geometry, after Euclid, Kepler and Birkhoff</i> |
| 15:15 – 16:15 | Myriam Freidinger (Karlsruhe) | <i>Coverings of the double-n-gon and their Veech groups</i> |
| 16:45 – 17:45 | Vincent Guirardel (Toulouse) | <i>Foliations to solve equations in free groups</i> |
| ab 19:00 | Weihnachtsfeier in S12 in the department building 20.30 | |

Wednesday, December 17

- 09:45 – 10:45 Cornelius Greither (München) *1-motives and class groups of function fields*
- 11:15 – 12:15 Fabian Januszewski (Karlsruhe) *On p -adic Rankin-Selberg convolutions*
- L u n c h b r e a k
- 14:00 – 15:00 Enrico Leuzinger (Karlsruhe) *The asymptotic Schottky problem*
- 15:30 – 16:30 Gerhard Rosenberger (Dortmund) *The classification of the arithmetic Fuchsian surface groups of genus two*

All talks will take place in **Seminarraum 1C02** and **Seminarraum 1C03** in the Allianzgebäude am Kronenplatz (building 05-20).

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