

Max-Planck-Institut
für Mathematik
Vivatsgasse 7
53111 Bonn

and

Mathematisches Institut
der Universität Bonn
Wegelerstraße 10
53115 Bonn

Program of the Mathematische Arbeitstagung 2007 (I)

Friday, June 22, 2007

- 3:30 – 4:15 p.m. Opening and first program discussion
- 5:00 – 6:00 p.m. F. Hirzebruch (MPIM)
The first Arbeitstagungen with special emphasis on 1957,
1958 and 1962.

Saturday, June 23, 2007

- 10:15 – 11:15 a.m. B. Krötz (MPIM)
Holomorphic extension of representations
- 12:00 – 1:00 p.m. M. Rost (Univ. Bielefeld)
Norm-Residue Homomorphism
- 5:00 – 6:00 p.m. N. Hitchin (Oxford University)
Generalized Riemannian structures

Sunday, June 24, 2007

- 10:00 – 10:15 a.m. Program discussion (II)
- 10:15 – 11:15 a.m. G. Prasad (University of Michigan)
Fake projective spaces
- 12:00 – 1:00 p.m. M. Kontsevich (I.H.E.S.)
Donaldson-Thomas invariants
- 5:00 – 6:00 p.m. V. Spiridonov (JINR)
Elliptic Gauss hypergeometric series

All lectures will take place in the “Großer Hörsaal,” Wegelerstraße 10. There will be *tea breaks* from 11:15 a.m. on in Wegelerstrasse and from 3:30 p.m. in the MPI. At this time also *mail* will be distributed and you will have the opportunity to pay your *Tagungsbeitrag* of 30 Euro. *Lists of participants* and other information will lie out in Wegelerstrasse and in the MPIM. *All participants* are requested to put their name on the list!

**** All Arbeitstagung participants and those accompanying them are invited to the *Boat Trip* on Monday and the *Rector's Party* on Tuesday ****

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Program of the Mathematische Arbeitstagung 2007 (II)

Monday, June 25, 2007

10:15 – 11:15 a.m. E. Looijenga (Utrecht University)
Period map for cubic fourfolds

12:30 – ca. 6:30 p.m. Boat Trip
See special leaflet

Tuesday, June 26, 2007

10:00 – 10:15 a.m. Program discussion (III)

10:15 – 11:15 a.m. G. Faltings (MPIM)
Coverings of p -adic period domains

12:00 – 1:00 p.m. G. Margulis (Yale)
Homogeneous flows and geometry of numbers

5:00 – 6:00 p.m. C. McMullen (Harvard)
Dynamics on algebraic surfaces

8:00 – 11 p.m. Rector's Party
Festsaal der Universität, Hauptgebäude (entrance from
"Am Hof" street across from Bouvier bookstore)

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*****All Arbeitstagung participants and those accompanying them are invited to the *Boat Trip* on Monday afternoon and the *Rector's Party* on Tuesday (see special announcements)*****

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Program of the Mathematische Arbeitstagung 2007 (III)

Wednesday, June 27, 2007

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| 10:15 – 11:15 a.m. | A. Zorich (IRMAR)
Rational billiards and Teichmüller flows |
| 12:00 – 1:00 p.m. | A. Wienhard (Univ. of Chicago)
Bounded cohomology and representations of surface groups |
| 5:00 – 6:00 p.m. | A. Langer (Univ. Warschau/MPIM)
Instanton bundles |

Thursday, June 28, 2007

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| 10:15 – 11:15 a.m. | K. Yeats (Boston Univ.)
Feynman graphs to motives |
| 12:00 – 1:00 p.m. | R. Kaufmann (Univ. of Connecticut/MPIM)
Stringy K-theory |
| 5:00 – 6:00 p.m. | W. Neumann (Columbia Univ.)
Universal abelian covers of normal surface singularities |

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