

International Conference

Differential Geometry and Global Analysis

Department of Mathematics, University of Leipzig, October 7-11

Program

Monday, October, 7

- 09:00 – 10:00 Victor Bangert (Freiburg): *Calibrations and Laminations*
10:00 – 10:30 *coffee/tea*
10:30 – 11:30 Juan Carlos Alvarez (Lille): *Zoll metrics in systolic geometry and the geometry of numbers*
11:30 – 12:30 Hansjörg Geiges (Köln): *Diagrams for contact 5-manifolds*
lunch
15:00 – 16:00 Burkhard Wilking (Münster): *Generalization of Gromov's Almost Flat Manifolds Theorem*
16:00 – 16:30 *coffee/tea*
16:30 – 17:30 Lorenz Schwachhöfer (Dortmund): *Hyperbolic and Euclidean monopoles*

17:30 *Get Together, Math. Department*

Tuesday, October, 8

- 09:00 – 10:00 Leonid Polterovich (Tel Aviv): *Inside the Poisson bracket*
10:00 – 10:30 *coffee/tea*
10:30 – 11:30 Urs Frauenfelder (Seoul): *Global surfaces of section for the restricted three body problem*
11.30 –12:30 Iskander Taimanov (Novosibirsk): *Closed magnetic geodesics on almost all energy levels*
lunch
15:00 –16:00 Wolfgang Ziller (Philadelphia): *On the topology of Polar manifolds*
16:00 – 16:30 *coffee/tea*
16:30 – 17:30 Patrick Foulon (Strasbourg/Luminy): *Contact Anosov flows on hyperbolic 3-manifolds*

19:00 *Conference Dinner, Auerbach's Keller*¹

Wednesday, October, 9

- 09:00 – 10:00 Helga Baum (Berlin): *On the Cauchy problem for Lorentzian manifolds with special holonomy*
10:00 – 10:30 *coffee/tea*
10:30 – 11:30 Ines Kath (Greifswald): *Indefinite symmetric spaces with special geometries*
11:30 – 12:30 Zhongmin Shen (Indianapolis): *On Einstein manifolds in Finsler Geometry*
lunch
14:30 –16:30 *City Tour*²

20:00 Hint (Cultural Event): *Festival of Lights, Augustusplatz*

¹Please register

²Please register

Thursday, October, 10

- 09:00 – 10:00 Bernd Ammann (Regensburg):
The L^p -spectrum of the Dirac operator on hyperbolic space and applications
- 10:00 – 10:30 *coffee/tea*
- 10:30 – 11:30 Boris Botvinnik (Eugene): *Compact manifolds with positive Γ_2 -curvature*
- 11:30 – 12:30 Mattias Dahl (Stockholm): *Mass invariants of asymptotically hyperbolic manifolds*
lunch
- 14:30 – 15:00 Andreas Hermann (Tours): *Zero sets of eigenspinors for generic metrics*
- 15:00 – 15:30 Olaf Müller (Regensburg): *Every conformal class contains a metric of bounded geometry*
- 15:30 – 16:00 Nena Röttgen (Freiburg): *A contact cylinder with standard boundary and a bounded Reeb orbit but no periodic Reeb orbit*
- 16:00 – 16:30 *coffee/tea*
- 16:30 – 17:00 Daniel Schliebner (Berlin): *Completeness of compact Lorentzian manifolds with special holonomy*
- 17:00 – 17:30 Stefan Suhr (Hamburg) : *Pseudo-Riemannian geodesic foliations by circles*
- 17:30 – 18:00 Kai Zehmisch (Köln): *Linking and closed orbits*
- 19:30 Hint (Cultural Event): *Rigoletto, Opera*³

Friday, October, 11

- 09:00 – 10:00 Wolfgang Kühnel (Stuttgart): *Conformally Einstein product spaces*
- 10:00 – 10:30 *coffee/tea*
- 10:30 – 11:30 Wilhelm Klingenberg (Durham):
From Global to Local: Carathéodory Conjecture and a local umbilic index bound
- 11:30 – 12:30 Christian Bär (Potsdam): *On 4-manifolds with nonnegative sectional curvature*
- 18:00 Hint (Cultural Event): *Motet, St. Thomas Church*

Location:

Felix-Klein-Lecture Hall, Paulinum (5. floor),
Augustusplatz 10, D-4109 Leipzig

³Please buy tickets at the opera