

## Sektion 10

### Geometrie und Topologie

**Christian Bär (Potsdam), Hansjörg Geiges (Köln)**

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**Montag, 19. September**                      **Seminargebäude, S01**

- 14:00      Wolfgang Lück (Bonn)  
*On the Farrell-Jones conjecture*
- 15:00      Thomas Schick (Göttingen)  
*Metrics of positive scalar curvature: existence and classification*

**Dienstag, 20. September**                      **Seminargebäude, Hörsaal S01**

- 14:00      Christoph Böhm (Münster)  
*Ricci flow in higher dimensions*
- 15:00      Andreas Thom (Leipzig)  
 *$L^2$ -invariants for groups and manifolds*
- 16:00h – 16:30h Pause**
- 16:30      Felix Schlenk (Neuchâtel)  
*From symplectic geometry to number theory?*
- 17:30      Ines Kath (Greifswald)  
*Indefinite extrinsic symmetric spaces*

**Mittwoch, 21. September**                      **Seminargebäude, S01**

- 14:00      Rolf Sulanke (Berlin)  
*Möbius Geometrie mit Mathematica*
- 14:30      Christian Becker (Potsdam)  
*Fiber integration for Cheeger-Simons differential characters*
- 15:00      Ivan Izestiev (Berlin)  
*Infinitesimal rigidity of convex surfaces and variations of the Hilbert-Einstein functional*
- 15:30      Rolfdieter Frank (Koblenz-Landau)  
*Eine einfache Formel für das Volumen beliebiger Hyperebenenschnitte des  $n$ -dimensionalen Würfels*
- 16:00h – 16:30h Pause**

- 16:30      Stefan Müller (Seoul)  
*Continuous Hamiltonian and contact dynamics*
- 17:00      Frank Pfäffle (Potsdam)  
*On torsion, gravity and the spectral action principle*

**Donnerstag, 22. September      Seminargebäude, S01**

- 14:00      Ruth Kellerhals (Fribourg)  
*Small hyperbolic orbifolds, scissors congruence and arithmetic*
- 15:00      Bernhard Hanke (Augsburg)  
*Positive scalar curvature,  $K$ -area and essentialness*