



SFB/ Transregio 71

Geometric Partial Differential Equations

Opening Colloquium

Freiburg, April 24–25, 2009

April 24 Hörsaal Virologie

10:30 – 10:40

Welcome

10:40 – 11:30

B. White, Stanford University: *Densities of singularities in minimal varieties and in mean curvature flows*

11:40 – 12:30

R. Schätzle, University of Tübingen: *The Willmore functional in geometry and the calculus of variations*

12:30 – 14:30 Lunch break

14:30 – 15:20

C. Elliott, University of Warwick: *Interfaces, Free Boundaries and Surface PDEs: Computational Approaches*

15:30 – 16:20

M. Simon, University of Freiburg: *Ricci flow of non-collapsed 3-manifolds whose Ricci curvature is bounded from below*

16:30 – 17:00 Coffee/ Tee

17:00 – 17:50

V. Bangert, University of Freiburg: *On minimal closed normal currents*

April 25 Weissmann-Haus

09:00 – 09:50

I. Taimanov, Novosibirsk State University: *Two-dimensional Dirac operator and the Willmore functional*

10:00 – 10:30 Coffee/ Tee

10:30 – 11:20

C. De Lellis, University of Zurich: *h -principle and fluid dynamics*

11:30 – 12:20

J. Avron, Israel Institute of Technology (Technion): *Swimming in empty curved space: Baron von Munchhausen and the falling cat*