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Michael Sondermann

Intense Activity Period

Metric Measure Spaces and Ricci Curvature

Date: September 4 – 29, 2017

Location: Max Planck Institute for Mathematics, Bonn

Organizer: Karl-Theodor Sturm

The program will feature 4 weeks of intense activity on metric measure spaces, Ricci curvature, and related topics including heat kernels, Ricci flow, optimal transport, geometric PDEs, stochastic calculus, path and loop spaces, Riemannian geometry, discrete models. Each week will have 2 lecture series and 5-6 invited talks by leading experts as well as room for contributed talks.

Invited speakers (* to be confirmed) for respective weeks

1. S. Aida, M. Gordina, A. Grigor'yan, M. Hairer, A. Lytchak, S. Ohta
2. T. Colding*, B. Driver, R. Haslhofer, G. Savaré, T. Shioya
3. C. Bär, A. Mondino, R. Schoen*, F. Schulze, M. Simon, B. Wilking
4. F. Cavalletti, J. Cheeger*, A. Guillin, K. Kuwada, J. Maas, E. Milman

Lecture series

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| 1. L. Ambrosio, F.Y. Wang | 3. R. Bamler, P. Topping |
| 2. A. Naber, A. Thalmaier | 4. E. Carlen, N. Gigli |

We aim to attract participants with broad interest to foster the interaction between different communities. Participation is possible for the whole period or parts of it, registration is requested. Limited financial support is available for visits of 1-2 weeks. **Application** for participation, presentation of contributed talks, and financial support is open until **April 17, 2017**.

Details: <http://wt.iam.uni-bonn.de/iap/home/> and Contact: mms-month@iam.uni-bonn.de

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Bonn



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