

May - August 2015



Trimester Program Homotopy theory, manifolds, and field theories

© Nathalie Wahl

Organizers: Søren Galatius, Haynes Miller, Stefan Schwede, Peter Teichner

This program will bring together researchers working on moduli spaces of manifolds, higher categories, factorization algebras, configuration spaces, smooth stacks and equivariant homotopy theory. A unifying theme is the mathematical notion of a field theory, inspired by theoretical physics.

Special activities

- May 4-8: *Introductory school* with four lecture series
- In May/June: *Felix Klein Lectures* by Charles Rezk
- June 15-19: *Workshop* at the Max Planck Institute for Mathematics
- August 17-21: *Geometry & Topology Conference*

Confirmed participants

Gregory Arone
David Ayala
Arthur Bartels
Mark Behrens
William Dwyer
John Francis
Dan Freed
Paul Goerss

John Greenlees
Jesper Grodal
Andre Henriques
Lars Hesselholt
Michael Hill
Michael Mandell
Oscar Randal-Williams
Charles Rezk

Birgit Richter
John Rognes
Chris Schommer-Pries
Brooke Shipley
Stephan Stolz
Constantin Teleman
Nathalie Wahl
Michael Weiss

48

72

96

Call for participation: The Hausdorff Research Institute offers visiting positions for the whole period of the trimester program (for senior scientists, postdocs and PhD students). The deadline for applications is October 31, 2014. Please send applications (including CV and, for postdocs and PhD students, a letter of recommendation) using our online application form at <http://www.him.uni-bonn.de/homotopy-theory-2015/>. In addition numerous fellowships for shorter periods are available.