

Closing Conference for the program on

Higher Structures in Geometry and Physics

March 18 - March 22, 2016

Max Planck Institute for Mathematics
Bonn

Organizing Committee

Michael Batanin (Macquarie University), Christian Blohmann (MPIM Bonn)
Ralph Kaufmann (Purdue University), Martin Markl (Czech Academy of Sciences)



Speakers

Bergner, Julie (UC Riverside)
Davydov, Alexei (Ohio University, Athens)
Dolgushev, Vasily (Temple University)
Gálvez Carrillo, Imma (Universitat Politècnica de Catalunya)
Gorbounov, Vassily (Aberdeen)
Kaufmann, Birgit (Purdue)
Klemm, Albrecht (University of Bonn)
Kreimer, Dirk (HU Berlin)
Lazarev, Andrei (Lancaster)
Manin, Yuri (MPIM Bonn)
Neeman, Amnon (Australian National University, Canberra)
Nikolaus, Thomas (MPIM Bonn)

Rosický, Jiří (Brno)
Schommer-Pries, Chris (MPIM Bonn)
Sibilla, Nicolò (Oxford)
Spitzweck, Markus (Osnabrück)
Tamarkin, Dmitry (Northwestern)
Teichner, Peter (MPIM Bonn)
Toën, Bertrand (Toulouse)
Tonks, Andrew (Leicester)
Tsygan, Boris (Northwestern)
van den Bergh, Michel (Universiteit Hasselt)
Voronov, Alexander (University of Minnesota)
Ward, Benjamin (Simons Center Stony Brook)

Background and Goals

One of the classical prerogatives of mathematics is to understand, distinguish and classify its objects. This is favorably achieved by considering naturally appearing additional structures. In recent times, great progress has been made on this front. These leaps in understanding have been so successful, that there is a growing need to understand the different structures themselves and their interplay using higher or meta-structures. Examples from this can be found in algebra, geometry and physics, such as higher homotopies and coherences, the objects governing these, the use of higher categories in quantum field theory and derived algebraic and differential geometry.

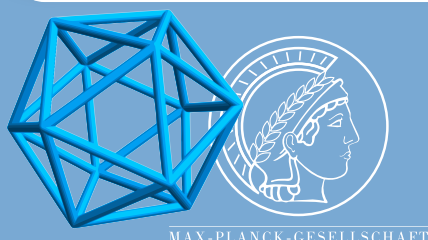
Please register for the conference here <https://www.mpim-bonn.mpg.de/node/6479>

Advisory Board

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