

Workshop “Combinatorial Categories in Algebra and Topology”

November 22 - 24, 2018

Schedule

Thursday November 22, 2018

- 08:30 – 09:15 Registration
09:15 – 09:30 Opening
09:30 – 10:15 Stefan Schwede (University of Bonn, Germany)
***I*-modules and symmetric spectra**
10:15 – 11:00 Coffee Break
11:00 – 11:45 Uwe Nagel (University of Kentucky, USA)
Stabilization in Sequences of Symmetric Ideals
11:45 – 12:30 Research Problems
12:30 – 14:00 Lunch
14:00 – 14:45 Steffen Sagave (Radboud University Nijmegen, The Netherlands)
Diagram Categories and Commutativity in Topology
14:55 – 15:40 Dang Hop Nguyen (Hanoi Institute of Mathematics, Vietnam)
Castelnuovo-Mumford regularity up to symmetry
15:40 – 16:30 Coffee Break
16:30 – 17:15 Moritz Groth (University of Bonn, Germany)
Abstract cubical homotopy theory
17:25 – 18:30 Problem Session
20:00 Social Dinner at the restaurant Almani, Heger Straße 35, Osnabrück

Friday November 23, 2018

- 09:15 – 10:00 Henning Krause (University of Bielefeld, Germany)
Completing perfect complexes
10:00 – 10:30 Coffee Break
10:30 – 11:15 Ieke Moerdijk (University of Utrecht, The Netherlands)
Shuffles of trees
11:15 - 12:30 Problem Session
12:30 – 14:00 Lunch
14:00 – 14:45 Rob H. Eggermont (Eindhoven University of Technology, The Netherlands)
Polynomial functors and strength
14:55 – 15:40 Morten Brun (University of Bergen, Norway)
Equivariant Structure on Smash Powers
15:40 – 16:30 Coffee Break
16:30 – 17:15 Liping Li (Hunan Normal University, China)
A homological approach to representation theory of FI
17:25 ... Short Lectures:
Cordian Riener (UiT – The Arctic University of Norway)
Symmetric real varieties
Laura Jakobsson (Aalto University, Finland)
Category of cellular resolutions
Matija Bašić (University of Zagreb, Croatia)
Subdivision of dendroidal sets
Christine Vespa (Strasbourg University, France)
Weak polynomial functors
Aurélien Djament (CNRS, Lille, France)
Finiteness Properties in generic representation theory

Saturday November 24, 2018

- 09:00 – 09:45 Christian Schlichtkrull (University of Bergen, Norway)
Higher monoidal diagram categories
- 09:45 – 10:15 Coffee Break
- 10:15 - 11:00 Ralph Kaufmann (Purdue University, USA)
Encoding (combinatorial) structures and their refinements - FI, Feynman and beyond
- 11:10 - 11:55 Javier J. Gutiérrez (University of Barcelona, Spain)
Morita homotopy theory for $(\infty, 1)$ -categories and ∞ -operads
- 11:55 - 12:30 Presentation/Closing
- 12:30 ... Lunch at the department