

Geometric and Analytic Group Theory

Simons Semester

01.04.2019 – 15.07.2019

Cohomological methods conference

08 – 12. 04. 2019

List of confirmed speakers:

Marc Bourdon (University of Lille)
Michael Brandenbursky (Ben Gurion university of Nagev)
Kai-Uwe Bux (Bielefeld University)
Carlos De la Cruz Mengual (ETH Zürich)
Michael Davis (Ohio State University)
Jan Dymara (IMPAN)
Elia Fioravanti (University of Oxford)
Koji Fujiwara (Kyoto University)
Nicolaus Heuer (University of Oxford)
Martin Kassabov (Cornell University)
Robert Kropholler (Tufts University)
Ian Leary (University of Southampton)
Michał Marcinkowski (IMPAN)
Kevin Schreve (University of Chicago)
Rachel Skipper (University of Göttingen/ ENS de Lyon)
Andreas Thom (TU Dresden)
Stefan Witzel (Ecole polytechnique)

Monday, April 08

room 321

10:00 – 11:15	Welcome: Coffee & tea, room 409
11:15 – 12:15	Carlos De la Cruz Mengual <i>Measured Stiefel complexes and bounded cohomology</i>
12:15 – 14:15	Lunch
14:15 – 15:15	Kai-Uwe Bux <i>Arc matching complexes and higher generation in braid groups</i>
15:15 – 15:30	Break
15:30 – 16:30	Marc Bourdon <i>L^p-cohomology of topological groups: quasi-isometric invariance and applications</i>
16:30 – 17:00	Coffee & tea, room 409
17:00 – 18:00	Jan Dymara <i>Tautological classes in group cohomology</i>

Tuesday, April 09

room 321

09:00 – 10:00	Coffee & tea, room 409
10:00 – 11:00	Stefan Witzel <i>Finiteness properties of arithmetic approximate groups</i>
11:00 – 11:15	Break
11:15 – 12:15	Koji Fujiwara <i>Group actions on quasi-trees</i>
12:15 – 14:15	Lunch
14:15 – 15:15	Ian Leary <i>CAT(0) groups need not be biautomatic</i>
15:15 – 15:30	Break
15:30 – 16:30	Andreas Thom <i>Cohomological obstructions to stability</i>
18:00	Conference dinner

Wednesday, April 10

room 321

09:00 – 10:00	Coffee & tea, room 409
10:00 – 11:00	Rachel Skipper <i>Finiteness properties of simple groups</i>
11:00 – 11:15	Break
11:15 – 12:15	Michał Marcinkowski <i>Bounded cohomology of transformation groups</i>

Thursday, April 11,

room 321

09:00 – 10:00	Coffee & tea, room 409
10:00 – 11:00	Nicolaus Heuer <i>The Spectrum of Simplicial Volume</i>
11:00 – 11:15	Break
11:15 – 12:15	Elia Fioravanti <i>Cross ratios on cube complexes and length-spectrum rigidity</i>
12:15 – 14:15	Lunch
14:15 – 15:15	Kevin Schreve <i>Proper actions versus uniform embeddings</i>
15:15 – 15:30	Break
15:30 – 16:30	Robert Kropholler <i>Almost finitely presented subgroups of hyperbolic groups</i>
16:30 – 17:00	Coffee & tea, room 409
17:00 – 18:00	Martin Kassabov <i>Graph Complexes, Kontsevich Theorem and Simplicial Operads</i>

Friday, April 12

room 321

09:00 – 10:00	Coffee & tea, room 409
10:00 – 11:00	Michael Brandenbursky <i>Entropy, metrics and quasi-morphisms</i>
11:00 – 11:15	Break
11:15 – 12:15	Michael Davis <i>Curve complexes of Artin groups and Borel-Serre bordifications of hyperplane arrangement complements</i>

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