

Noncommutative geometry the next generation

Simons Semester

1.09.2016 – 30.11.2016

Structure and classification of C^* -algebras

21 – 25. 11. 2016

Organisers:

George Elliott (The Fields Institute)

Karen Strung (IMPAN)

Wilhelm Winter (University of Münster)

Joachim Zacharias (University of Glasgow)

List of confirmed speakers:

Sara Arklint (University of Copenhagen)

Caleb Eckhardt (Miami University)

Søren Eilers (University of Copenhagen)

George Elliott (The Fields Institute)

Jamie Gabe (University of Southampton)

Eusebio Gardella (University of Münster)

Elizabeth Gillaspay (University of Münster)

Guihua Gong (University of Puerto Rico)

Hung-Chang Liao (University of Münster)

Huaxin Lin (University of Oregon)

Zhuang Niu (University of Wyoming)

N. Christopher Phillips (University of Oregon)

Mikael Rørdam (University of Copenhagen)

Luis Santiago (Lakehead University)

Karen Strung (IMPAN)

Gabor Szabo (University of Aberdeen)

Hannes Thiel (University of Münster)

Aaron Tikuisis (University of Aberdeen)

Andrew Toms (Purdue University)

Stuart White (University of Glasgow)

Jianchao Wu (Penn State)

Monday, November 21

room 321

10:30 – 12:00	Noncommutative geometry seminar: George Elliott <i>On the classification of simple C^*-algebras with finite nuclear dimension</i>
12:00 – 14:00	Lunch break
14:00 – 15:30	Noncommutative geometry seminar: Søren Eilers <i>The classification of unital graph C^*-algebras</i>

Tuesday, November 22

room 321

09:30 – 10:30	Mikael Rørdam , <i>A new look on C^*-simplicity and the unique trace property</i>
10:30 – 11:00	Tea and coffee break
11:00 – 12:00	Aaron Tikuisis , <i>The Dixmier property</i>
12:00 – 14:00	Lunch break
14:00 – 15:00	Sara Arklint , <i>The K-theoretical range of all Cuntz-Krieger algebras</i>
15:00 – 15:30	Tea and coffee break
15:30 – 16:30	Caleb Eckhardt , <i>A survey of recent classification results related to representations of nilpotent groups</i>
16:30 – 16:45	Break
16:45 – 17:45	Hung-Chang Liao , <i>Rokhlin type properties and structure of crossed products</i>

Wednesday, November 23

room 321

09:30 – 10:30	Karen Strung , <i>Group actions on Smale spaces and associated C^*-algebras</i>
10:30 – 11:00	Tea and coffee break
11:00 – 12:00	Stuart White , <i>2-isomorphic C^*-algebras</i>
12:00 – 14:00	Lunch break
14:00 – 15:00	Guihua Gong , <i>Classification of inductive limit C^*algebras with ideal property</i>
15:00 – 15:30	Tea and coffee break
15:30 – 16:30	Hannes Thiel , <i>Abstract bivariant Cuntz semigroups</i>
16:30 – 16:45	Break
16:45 – 17:45	Andrew Toms , <i>Unitary orbits of self-adjoint operators in C^*-algebras</i>

Thursday, November 24

room 321

09:30 – 10:30	Huaxin Lin , <i>Classification of stably projectionless simple C^*-algebras with finite nuclear dimension</i>
10:30 – 11:00	Tea and coffee break
11:00 – 12:00	Eusebio Gardella , <i>The Rokhlin dimension of strongly outer actions</i>
12:00 – 14:00	Lunch break
14:00 – 15:00	N. Christopher Phillips , <i>Mean dimension and radius of comparison</i>
15:00 – 15:30	Tea and coffee break
15:30 – 16:30	Jianchao Wu , <i>Rokhlin dimension for flows</i>

16:30 – 16:45	Break
16:45 – 17:45	Luis Santiago , <i>Classification of actions of cyclic groups on AI-algebras</i>
19:30 – 21:30	Dinner at IMPAN

Friday, November 25

room 321

09:30 – 10:30	Zhuang Niu , <i>On the classification of simple C^*-algebras with trivial K-theory</i>
10:30 – 11:00	Tea and coffee break
11:00 – 12:00	Elizabeth Gillaspay , <i>Twists over étale groupoids and twisted vector bundles</i>
12:00 – 14:00	Lunch break
14:00 – 15:00	Gabor Szabo , <i>Ocneanu-type uniqueness for certain group actions on strongly self-absorbing C^*-algebras</i>
15:00 – 15:30	Tea and coffee break
15:30 – 16:30	Jamie Gabe , <i>A new K-theoretic invariant for C^*-algebras</i>

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Horizon 2020
European Union funding
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