

Workshop on
“Categorification in quantum topology and beyond”

January 7 – 18, 2019

organized by

Nils Carqueville (ESI, U Vienna), Anton Mellit (U Vienna),
Paul Wedrich (Australian National U, Canberra)

Week 1

January 7 – 11, 2019

• **Monday, January 7, 2019**

09:00 – 09:30 **Registration**

09:30 – 10:30 **Anthony Licata**

TBA 1

10:30 – 11:00 *Coffee / Tea Break*

11:00 – 12:00 **Zsuzsanna Dancso**

Quantised lattices and combinatorics

12:00 – 12:30 *Discussion*

12:30 – 14:15 *Lunch Break*

14:15 – 15:15 **Thang Le**

Skein algebras of surfaces 1

15:15 – 15:45 *Coffee / Tea Break*

15:45 – 16:45 **Louis-Hadrien Robert**

TBA

• **Tuesday, January 8, 2019**

09:00 – 10:00 **Anthony Licata**

TBA 2

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Nicolle Sandoval Gonzalez**

TBA

11:30 – 12:30 **Thang Le**

Skein algebras of surfaces 2

12:30 – 14:15 *Lunch Break*

14:15 – 15:15 **Matthew Hogancamp**

TBA 1

15:15 – 15:45 *Coffee / Tea Break*

15:45 – 16:45 *Discussion*

• **Wednesday, January 9, 2019**

09:00 – 10:00 **Anthony Licata**

TBA 3

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Juliet Cooke**

TBA

11:30 – 12:30 **Thang Le**

Skein algebras of surfaces 3

12:30 – 15:15 *Lunch Break*

15:15 – 16:15 **Mikhail Khovanov** Colloquium at Uni Wien

Towards vector spaces of fractional dimension

• **Thursday, January 10, 2019**

09:00 – 10:00 **Anthony Licata**

TBA 4

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Hoel Queffelec**

Surface skein algebras and categorification

11:30 – 12:30 **Thang Le**

Skein algebras of surfaces 4

12:30 – 14:15 *Lunch Break*

14:15 – 15:15 **Matthew Hogancamp**

TBA 2

15:15 – 15:45 *Coffee / Tea Break*

15:45 – 16:45 **Tina Kanstrup**

Link homology and Hilbert schemes

• **Friday, January 11, 2019**

09:00 – 10:00 **Sergei Gukov**

Categorification of WRT invariants of 3-manifolds 1

10:00 – 10:30 *Coffee / Tea Break*

10:30 – 11:30 **Mikhail Khovanov**

Foam evaluation and graph homology 1

11:30 – 12:30 **Sergei Gukov**

Categorification of WRT invariants of 3-manifolds 2

12:30 – 14:15 *Lunch Break*

14:15 – 15:15 *Discussion*

15:15 – 15:45 *Coffee / Tea Break*

15:45 – 16:45 *Discussion*

All talks, except the colloquium on Wednesday, take place at ESI, Boltzmann Lecture Hall.