

# Schedule

 (All lectures are in MATH 100; All coffee breaks are in WMAX 110)

## Monday

9:00-9:30 **Welcome and coffee** WMAX 110

9:30-10:30 **Alejandro Adem**

Title: Equivariant K-theory for Actions with Maximal Rank Isotropy

10:30-11:00 **Coffee break**

11:00-12:00 **Dan Cohen**

Title: Automorphisms and residual freeness of pure braid groups

12:00-1:30 **Lunch**

1:30-2:00 **Free discussion**

2:00-3:00 **Akimichi Takemura**

Title: Some recent results on ranking patterns and arrangements

3:15-4:15 **Mehdi Garrounian**

Title: Long exact sequences of logarithmic modules and beyond

4:30-5:30 **Mathias Schulze**

Title: Dual logarithmic residues

## Tuesday

9:30-10:30 **Christos Athanasiadis**

Title: The absolute order of a permutation representation of a Coxeter group

10:30-11:00 **Coffee break**

11:00-12:00 **Kazuhiko Aomoto**

Title: Double Filtration of Twisted Logarithmic Complex and Gauss-Manin Connection

12:00-1:30 **Lunch**

1:30-2:00 **Free discussion**

2:00-3:00 **Ryan Budney**

Title: A knot-space splicing operad and some relations to arrangements

3:15-4:15 **Simona Settepanella**

Title: Arrangements and Social Choice: a geometric model

4:30-5:30 **Emanuele Delucchi**

Title: Toric arrangements: combinatorial models and the fundamental group (joint work with Giacomo D'Antonio, University of Bremen)

## Wednesday

9:30-10:30 **David Mond**

Title: Free divisors and partial normalisations associated to Coxeter groups (joint work with Michel Granger and Mathias Schulze)

10:30-11:00 **Coffee break**

11:00-12:00 **Kyoji Saito**

Title:  $A_{\frac{1}{2}\infty}$ -type and  $D_{\frac{1}{2}\infty}$ -type vanishing cycles

Afternoon **Excursion**

## Thursday

9:30-10:30 **Jim Carrell**

Title: Smooth Schubert varieties in  $G/B$  and the reflection arrangement

10:30-11:00 **Coffee break**

11:00-12:00 **Stefan Tohaneanu**

Title: An interesting property of logarithmic derivations of free line arrangements

12:00-1:30 **Lunch**

1:30-2:30 **Masahiko Yoshinaga**

Title: What makes arrangements free?

2:45-3:45 **Daisuke Suyama**

Title: Constructions of bases for the Shi arrangements of the types  $A_\ell$  and  $B_\ell$

4:00-5:00 **Anatoly Libgober**

Title: Cohomology of Milnor fiber of arrangements and algebraic equations over function fields

6:00 **Banquet at Sage Bistro**

## Friday

9:30-10:30 **Yasuhide Numata**

Title: On an edge-signed generalization of chordal graphs and free multiplicities on braid arrangements

10:30-11:00 **Coffee break**

11:00-12:00 **Joseph Kung**

Title: Characteristic polynomials of matroids

12:00-1:30 **Lunch**

1:30-2:00 **Free discussion**

2:00-3:00 **Mario Salvetti**

Title: On Cohomologies of the Braid groups and  $SL_2(\mathbb{Z})$  over natural representations

3:15-4:15 **Dick Randell**

Title: Trace-free  $SU(2)$ -representations of arrangement groups

4:30-5:30 **Toshitake Kohno**

Title: Morse-Novikov theory for hyperplane arrangements