

# Schedule

## Thursday 22<sup>nd</sup> March, 2018

8:45–9:00 Registration

9:00–10:10 Christos Athanasiadis: *Enumerative combinatorics from an algebraic-geometric point of view*

**Coffee break**

10:30–11:05 Giulia Codenotti: *On  $f$ -vectors and  $h$ -vectors of relative simplicial complexes*

11:05–11:40 Óscar Iglesias-Valiño: *The classification of empty 4-simplices*

**Coffee break**

12:00–13:00 Problem session

**Lunch break**

14:30–15:05 Artur Rapp: *Representation stability on the cohomology of complements of subspace arrangements*

15:05–15:40 Claudia Andrei: *The coordinate ring of a convex polyomino*

**Coffee break**

16:00–16:35 Marta Panizzut:  *$K3$  polytopes and smooth tropical quartic surfaces*

16:35–17:10 Christopher Borger: *Defectivity of families of full-dimensional point configurations*

**Coffee break**

17:30–18:30 Problem session

19:30 Conference dinner at Rampendahl

**Friday 23<sup>rd</sup> March, 2018**

9:00–10:10 Bernard Mourrain: *Sparse representations from moments*

**Coffee break**

10:30–11:05 Frank Röttger: *D-optimal saturated designs for the Bradley-Terry paired comparison model*

11:05–11:40 Alexandru Iosif: *Mass-action networks with the isolation property*

**Coffee break**

12:00–13:00 Problem session

**Lunch break**

14:30–15:05 Esra Emine Zengin: *On the Betti numbers of Gorenstein monomial curves*

15:05–15:40 Jonathan Toledo: *Strong persistence property for monomial ideals*

**Coffee break**

16:00–16:35 Erika Ordog: *The trace minimal resolution*

16:35–17:10 Alessio D'Alì: *Translative group actions on simplicial posets*

**Coffee break**

17:30–18:30 Problem session

**Saturday 24<sup>th</sup> March, 2018**

9:30–10:05 Henning Seidler: *Lower Bounds for Polynomials via Circuit Polynomials*

10:05–10:40 Tim Seynnaeve: *Representation Theory and Fast Matrix Multiplication*

**Coffee break**

11:00–11:35 Kostas Karagiannis: *The Relative Canonical Ideal*

11:35–12:10 Kathlén Kohn: *Isotropic and Coisotropic Subvarieties of Grassmannians*

**Lunch break**

13:30–14:30 Problem session

14:30–15:30 Presentation of results