

HORAIRE / *PROGRAM*

**ÉCOLE ET ATELIER**  
**COMBINATOIRE ÉQUIVARIANTE**

12 au 23 juin 2017

***SCHOOL AND WORKSHOP***  
***EQUIVARIANT COMBINATORICS***

*June 12–23, 2017*

**CONFÉRENCES :** salle Z-220 (Université de Montréal, Pavillon Claire-McNicoll)

**LECTURES:** *Room Z-220 (Université de Montréal, Pavillon Claire-McNicoll)*

**Le lundi 12 juin 2017 / Monday, June 12, 2017**

08:30–09:00 Inscription et café croissants  
*Registration and Coffee & Croissants*

**École : Combinatoire équivariante (Z-220 - Université de Montréal, Pavillon Claire-McNicoll)**

**School: Equivariant Combinatorics (Z-220 - Université de Montréal, Pavillon Claire-McNicoll)**

09:00–10:30 **Stephen Griffeth** (Universidad de Talca)  
*“Algebraic combinatorics and representations of Cherednik algebras - I”*

10:30–11:00 Pause-café / *Coffee break*

11:00–12:30 **Maria Gillespie** (University of California, Davis)  
*“Combinatorics of Schubert Calculus - I”*

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–16:00 **Jeffrey Remmel** (University of California, San Diego)  
*“The Combinatorics of Symmetric Functions - I”*

16:00–17:30 Session d'exercices / *Exercise Session*

Le mardi 13 juin 2017 / *Tuesday, June 13, 2017*

08:30–09:00 Café croissants / *Coffee & Croissants*

**09:00–10:00 Stephen Griffeth** (Universidad de Talca)  
*“Algebraic combinatorics and representations of Cherednik algebras - II”*

10:00–10:15 Pause-café / *Coffee break*

**10:15–11:15 Maria Gillespie** (University of California, Davis)  
*“Combinatorics of Schubert Calculus - II”*

11:15–11:30 Pause / *Break*

**11:30–12:30 Jeffrey Remmel** (University of California, San Diego)  
*“The Combinatorics of Symmetric Functions - II”*

12:30– Après-midi libre / *Free afternoon*

**Le mercredi 14 juin 2017 / *Wednesday, June 14, 2017***

08:30–09:00 Café croissants / *Coffee & Croissants*

**09:00–10:30 Stephen Griffeth** (Universidad de Talca)  
*“Algebraic combinatorics and representations of Cherednik algebras - III”*

10:30–11:00 Pause-café / *Coffee break*

**11:00–12:30 Maria Gillespie** (University of California, Davis)  
*“Combinatorics of Schubert Calculus - III”*

12:30–14:30 Pause-déjeuner / *Lunch break*

**14:30–16:00 Jeffrey Remmel** (University of California, San Diego)  
*“The Combinatorics of Symmetric Functions - III”*

16:00–17:30 Session d’exercices / *Exercise Session*

Le jeudi 15 juin 2017 / *Thursday, June 15, 2017*

08:30–09:00 Café croissants / *Coffee & Croissants*

**09:00–10:00 Stephen Griffeth** (Universidad de Talca)  
*“Algebraic combinatorics and representations of Cherednik algebras - IV”*

10:00–10:15 Pause-café / *Coffee break*

**10:15–11:15 Maria Gillespie** (University of California, Davis)  
*“Combinatorics of Schubert Calculus - IV”*

11:15–11:30 Pause / *Break*

**11:30–12:30 Jeffrey Remmel** (University of California, San Diego)  
*“The Combinatorics of Symmetric Functions - IV”*

12:30– Après-midi libre / *Free afternoon*

**Le vendredi 16 juin 2017 / *Friday, June 16, 2017***

08:30–09:00 Café croissants / *Coffee & Croissants*

**09:00–10:30 Stephen Griffeth** (Universidad de Talca)  
*“Algebraic combinatorics and representations of Cherednik algebras - V”*

10:30–11:00 Pause-café / *Coffee break*

**11:00–12:30 Maria Gillespie** (University of California, Davis)  
*“Combinatorics of Schubert Calculus - V”*

12:30–14:30 Pause-déjeuner / *Lunch break*

**14:30–16:00 Jeffrey Remmel** (University of California, San Diego)  
*“The Combinatorics of Symmetric Functions - V”*

16:00–17:30 Session d’exercices / *Exercise Session*

**Le lundi 19 juin 2017 / Monday, June 19, 2017**

09:00–09:30 Inscription et café croissants  
*Registration and Coffee & Croissants*

**Atelier : Combinatoire équivariante (Z-220 - Université de Montréal, Pavillon Claire-McNicoll)**

**Workshop: Equivariant Combinatorics (Z-220 - Université de Montréal, Pavillon Claire-McNicoll)**

09:30–10:30 **Adriano M. Garsia** (University of California, San Diego)  
*“Science Fiction 2017”*

10:30–11:00 Pause-café / *Coffee break*

11:00–12:00 **Erik Carlsson** (University of California, Davis)  
*“Geometry behind the shuffle conjecture”*

12:00–14:00 Pause-déjeuner / *Lunch break*

14:00–15:00 **Angela Hicks** (Lehigh University)  
*“Probabilizing Parking Functions (and what it implies about the diagonal harmonics)”*

15:00–15:30 Pause-café / *Coffee break*

15:30–16:30 **Jean-Christophe Aval** (CNRS, Université de Bordeaux)  
*“Rectangular Parking Functions”*

16:30–17:30 **Susanna Fishel** (Arizona State University)  
*“Some combinatorics of unitary representations”*

**Le mardi 20 juin 2017 / Tuesday, June 20, 2017**

09:00–09:30 Café croissants / *Coffee & Croissants*

**09:30–10:30** **Brendon Rhoades** (University of California, San Diego)  
*“Ordered set partitions, generalized coinvariant algebras, and the Delta Conjecture”*

10:30–11:00 Pause-café / *Coffee break*

**11:00–12:00** **Jonah Blasiak** (Drexel University)  
*“Generalized Kostka-Foulkes polynomials and  $k$ -Schur functions”*

12:00–14:00 Pause-déjeuner / *Lunch break*

**14:00–15:00** **Anne Schilling** (University of California, Davis)  
*“A Demazure crystal construction for Schubert polynomials”*

15:00–15:30 Pause-café / *Coffee break*

**15:30–16:30** **Nantel Bergeron** (York University)  
*“A Murnaghan-Nakayama Rule for Quantum Cohomology of the Flag Manifold”*

**16:30–17:30** **Seung Jin Lee** (Seoul National University)  
*“Affine Schubert polynomials”*



Le mercredi 21 juin 2017 / *Wednesday, June 21, 2017*

09:00–09:30 Café croissants / *Coffee & Croissants*

**09:30–10:30 Peter Samuelson** (The University of Edinburgh)  
*“Representations of the elliptic Hall algebra”*

10:30–11:00 Pause-café / *Coffee break*

**11:00–12:00 Rinat Kedem** (University of Illinois at Urbana-Champaign)  
*“From quantum  $Q$ -systems to quantum toroidal algebras via generalized Macdonald”*

**12:00–13:00 Philippe R. Di Francesco** (University of Illinois at Urbana-Champaign)  
*“Macdonald operators, from Cluster Algebra to Elliptic Hall algebra”*

13:00– Après-midi libre / *Free afternoon*

**Le jeudi 22 juin 2017 / Thursday, June 22, 2017**

09:00–09:30 Café croissants / *Coffee & Croissants*

**09:30–10:30 Ryan Kaliszewski** (Lehigh University)  
*“Surprising Relations Among Catalan Polynomials and Hikita Polynomials”*

10:30–11:00 Pause-café / *Coffee break*

**11:00–12:00 Andy Wilson** (University of Pennsylvania)  
*“Conjectures for delta operator expressions”*

12:00–14:00 Pause-déjeuner / *Lunch break*

**14:00–15:00 Eugene Gorsky** (UC Davis)  
*“Torus knots and rational Catalan combinatorics”*

15:00–15:30 Pause-café / *Coffee break*

**15:30–16:30 Matt Hogancamp** (University of Southern California)  
*“Khovanov-Rozansky homology and the higher  $q, t$  Catalan sequences”*

Le vendredi 23 juin 2017 / *Friday, June 23, 2017*

09:00–09:30 Café croissants / *Coffee & Croissants*

**09:30–10:30 Nathan Williams** (UC Santa Barbara)  
*“Sweeping up Zeta”*

10:30–11:00 Pause-café / *Coffee break*

**11:00–12:00 Jim Haglund** (University of Pennsylvania)  
*“Inversion and Major Index Statistics on Standard Young Tableaux”*

**12:00–13:00 Mark Haiman** (University of California, Berkeley)  
*“Three dimensional  $(q, t, u)$ -Catalans and the Schiffmann algebra”*