

Centre de recherches mathématiques  
Université de Montréal

Atelier «Algèbres de Hall et amassées»  
Du 8 au 12 mai 2014

*Workshop “Hall and cluster algebras”  
May 8-12, 2014*

## **HORAIRE / PROGRAM**

**Conférences :** salle 6214 (Pavillon André-Aisenstadt)

**Pauses-café :** salon Maurice-L'Abbé (salle 6245, Pavillon André-Aisenstadt)

**Lectures:** Room 6214 (Pavillon André-Aisenstadt)

**Coffee Breaks:** Salon Maurice-L'Abbé (Room 6245, Pavillon André-Aisenstadt)

## Le jeudi 8 mai 2014 / *Thursday, May 8, 2014*

**08:45 - 09:15** Inscription (salle 5345) et café-croissants (salle 6245)

*Registration (Room 5345) and Coffee & Croissants (Room 6245)*

**09:15 - 10:15** **Kyungyong Lee** (Wayne State University)

*“Dyck path formulas for type A cluster monomials”*

**10:15 - 11:00** Pause-café / *Coffee break*

(Salle / *Room* 6245)

**11:00 - 12:00** **Ralf Schiffler** (University of Connecticut)

*“Cluster algebras and rings of snake graphs”*

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

**14:00 - 15:00** **Pierre-Guy Plamondon** (Univ. de Paris Sud XI)

*“Parametrization of generic bases”*

**15:10 - 15:40** **Charles Paquette** (University of New Brunswick)

*“Cluster category of type A double infinity”*

**15:40 - 16:10** Pause-café / *Coffee break*

(Salle / *Room* 6245)

**16:10 - 17:10** **Kiyoshi Igusa** (Brandeis University)

*“The category of noncrossing partitions”*

## Le vendredi 9 mai 2014 / *Friday, May 9, 2014*

**08:45 - 09:15** Café croissants / *Coffee & Croissants*  
(Salle / Room 6245)

**09:15 - 10:15** **Daniel Labardini-Fragoso** (Área de la Investigación Científica)  
*“Triangulations of surfaces with orbifold points, species and potentials”*

**10:15 - 11:00** Pause-café / *Coffee break*  
(Salle / Room 6245)

**11:00 - 12:00** **Sergey Fomin** (University of Michigan)  
*“Web invariants, cluster algebras, and projective geometry - Part I”*

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

**14:00 - 15:00** **Pavlo Pylyavskyy** (University of Minnesota)  
*“Web invariants, cluster algebras, and projective geometry - Part II”*

**15:10 - 15:40** **Cesar Ceballos** (York University)  
*“Denominators vectors, Hopf algebras, and multi-associahedra”*

**15:40 - 16:10** Pause-café / *Coffee break*  
(Salle / Room 6245)

**16:10 - 17:10** **Christof Geiss** (UNAM)  
*“Mutation finite Jacobian algebras”*

## Le samedi 10 mai 2014 / *Saturday, May 10, 2014*

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**08:45 - 09:15** Café croissants / *Coffee & Croissants*  
(Salle / Room 6245)

**09:15 - 10:15** **Bangming Deng** (Tsinghua University)  
*“Ringel-Hall algebras of cyclic quivers and affine  $q$ -Schur algebras”*

**10:15 - 10:45** Pause-café / *Coffee break*  
(Salle / Room 6245)

**10:45 - 11:15** **Magnus Engenhorst** (University of Bonn)  
*“Bridgeland stability and tilting”*

**11:25 - 12:25** **Jacob Greenstein** (University of California Riverside)  
*“Primitively generated Hall algebras”*

**Après-midi libre / *Free afternoon***

## Le dimanche 11 mai 2014 / *Sunday, May 11, 2014*

**08:45 - 09:15** Café croissants / *Coffee & Croissants*  
(Salle / Room 6245)

**09:15 - 10:15** **Jerzy Weyman** (University of Connecticut)  
*“Cluster complex for  $\tilde{A}_n$  and periodic trees”*

**10:15 - 11:00** Pause-café / *Coffee break*  
(Salle / Room 6245)

**11:00 - 12:00** **Gordana Todorov** (Northeastern University)  
*“TBA”*

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

**14:00 - 15:00** **Dylan Rupel** (Northeastern University)  
*“Quantum cluster algebras and Feigin homomorphisms”*

**15:00 - 15:30** Pause-café / *Coffee break*  
(Salle / Room 6245)

**15:30 - 16:30** **Milen Yakimov** (Louisiana State Univ.)  
*“Construction of maximal green sequences for double Bruhat cells”*

## Le lundi 12 mai 2014 / *Monday, May 12, 2014*

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**08:45 - 09:15** Café croissants / *Coffee & Croissants*  
(Salle / Room 6245)

**09:15 - 10:15** **Greg Muller** (University of Michigan)  
*“Twists for positroid varieties”*

**10:15 - 10:45** Pause-café / *Coffee break*  
(Salle / Room 6245)

**10:45 - 11:15** **Salvatore Stella** (North Carolina State University)  
*“Coxeter combinatorics on affine root systems”*

**11:25 - 12:25** **Robert Marsh** (University of Leeds)  
*“Twists of Pluecker coordinates as dimer partition functions”*

**Fin de l’atelier / *Closure of the workshop***