



**De:** Centre de recherches mathématiques [crm@crm.umontreal.ca](mailto:crm@crm.umontreal.ca)  
**Objet:** \*\*AUJOURD'HUI\*\* - Conférence de Joelle Pineau - Programme du 50e anniversaire du CRM - Les mathématiques de l'apprentissage machine  
**Date:** 10 mai 2018 10:21  
**À:** Activités CRM [activites@crm.umontreal.ca](mailto:activites@crm.umontreal.ca)

---

\*\*\*\*\*

Programme du 50e anniversaire du CRM  
 Les mathématiques de l'apprentissage machine

14 avril - 11 mai 2018 / April 14 - May 11, 2018

50th anniversary program  
 Mathematics of machine learning

\*\*\*\*\*

Conférence de clôture / Closing keynote lecture

jeudi 10 mai / Thursday, May 10  
 15:30 - 16:30  
 Université de Montréal, Pavillon André-Aisenstadt, salle / room 1140

Joelle Pineau (McGill University)

"Data-Driven Dialogue Systems: Models, Algorithms, Evaluation, and Ethical Challenges"

The use of dialogue systems as a medium for human-machine interaction is an increasingly prevalent paradigm. A growing number of dialogue systems use conversation strategies that are learned from large datasets. In this talk I will review several recent models and algorithms based on both discriminative and generative models, and discuss new results on the proper performance measures for such systems. Finally, I will highlight potential ethical issues that arise in dialogue systems research, including: implicit biases, adversarial examples, privacy violations, and safety concerns.

\*\*\*\*\*

<http://www.crm.math.ca/crm50/>

\*\*\*\*\*