



# PROGRAMME

## 2019 CAES Annual Meeting Congrès annuel SCAÉ 2019



### Welcome to the 2019 CAES Annual Meeting in Ottawa!

This meeting offers a stimulating selection of sessions and special events. For the first time, we are hosting a Job Fair for students. In addition to the organized and selected paper sessions, please be sure and attend the Presidential address by Kara Beckles, the Fellows address by CAES Fellow Jill Hobbs and the Plenary address by David Pannell. (The CAES business meeting follows the Fellows

address.) The annual meeting wraps up with a free (to CAES members) learning workshop on evaluating public policy; hosted by Getu Hailu and Kara Beckles. I look forward to seeing you all at this year's awards banquet as well where we will enjoy a delicious meal, engage in great conversation, congratulate this year's winners, and be entertained by the music of David Pannell!

**Bienvenue à l'assemblée annuelle de la SCAÉ de 2019 à Ottawa !** Ce congrès annuel offre une sélection stimulante de sessions et d'événements spéciaux. Pour la première fois, nous organisons une foire d'emploi pour les étudiants. En plus des séances organisées et des sessions de papier sélectionnés, soyez sûr d'assister au discours présidentiel présenté par Kara Beckles, au discours du Fellow présenté par Jill Hobbs, et discours en plénière présenté par David Pannell. (La réunion d'affaire de la SCAÉ suit l'adresse des membres.) La réunion annuelle se termine par un atelier d'apprentissage gratuit (destiné aux membres de la SCAÉ) sur l'évaluation des politiques publiques; organisé par Getu Hailu et Kara Beckles. J'espère avoir le plaisir de vous voir lors du banquet de remise des prix, où nous dégusterons un délicieux repas, engagerons une bonne conversation, féliciterons les gagnants de cette année, et nous divertirons avec la musique de David Pannell!

Brady Deaton  
CAES President | Président de la SCAÉ

## TABLE OF CONTENTS | TABLE DES MATIÈRES

Hotel Floor Plans | Plan d'hôtel

General Information | Informations générales — 1

Schedule | Horaire — 1

Opening Ceremony | Cérémonie d'ouverture — 2

Plenary Sessions | Séances plénière — 2

Meetings | Réunions — 3

Receptions | Réceptions — 3

Student Job Fair | Foire d'emploi pour les étudiants — 3

Learning Workshop | Atelier d'apprentissage — 3

Detailed Program | Programme détaillé — 4

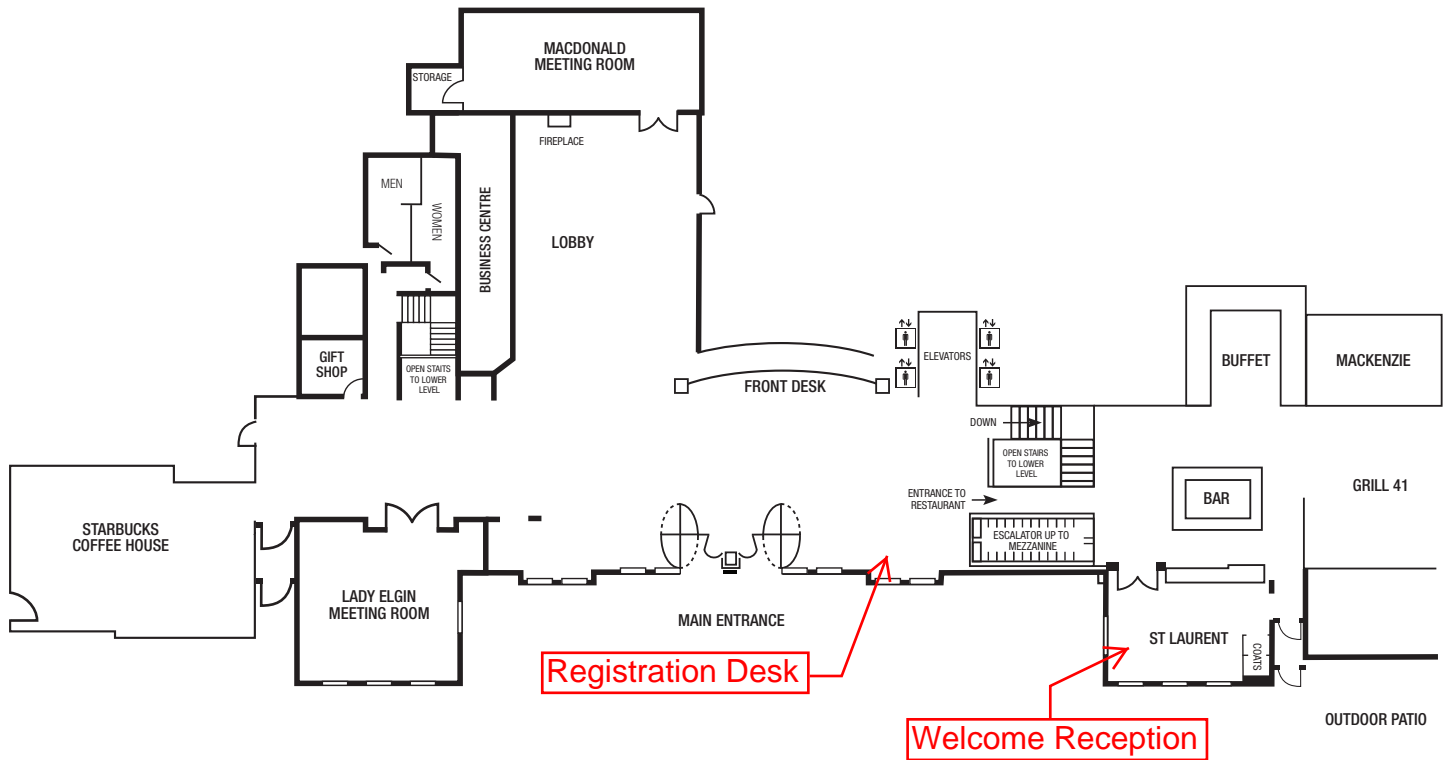
Special Thanks | Remerciement special — 10

Flash Your Badge Program | Programmez votre porte-nom — 11

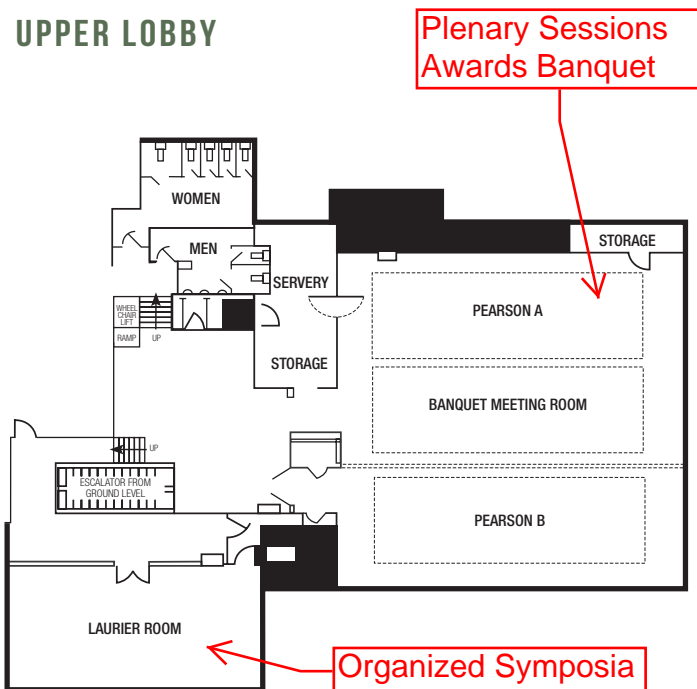
**The Lord Elgin Hotel**  
**JULY 9-12 JUILLET**

# HOTEL FLOOR PLANS | PLAN D'HÔTEL

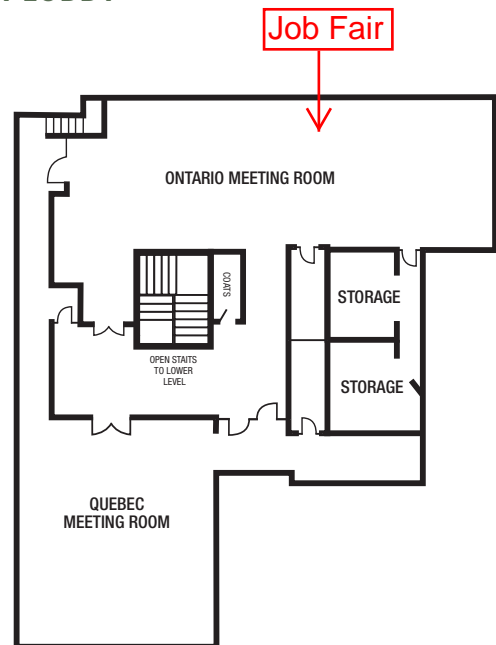
## LOBBY LEVEL



## UPPER LOBBY



## LOWER LOBBY



# GENERAL INFORMATION | INFORMATIONS GÉNÉRALES

## Registration – Main Lobby

Tuesday, July 9, 16:30–20:00  
 Wednesday, July 10, 7:30–17:30  
 Thursday, July 11, 8:30–18:00  
 Friday, July 12, 9:00–16:00

## Inscription – Main Lobby

Mardi, 9 juillet, 16h30–20h00  
 Mercredi, 10 juillet, 7h30–17h30  
 Jeudi, 11 juillet, 8h30–18h00  
 Vendredi, 12 juillet, 9h00–16h00

**Name Badges:** Pick up at the registration table during the hours above. Badges (registrants and guests) must be worn to access all events and sessions.

**Porte-noms:** Obtenir à la table d'inscription pendant les heures ci-dessus. Des porte-noms (inscrits et invités) doivent être portés pour accéder à tous les événements et séances

**Flash your Badge Program:** Your name badge entitles you and a guest to a discounted visit to the attractions, tours, restaurants and hospitality listed on page 11.

**Programmez votre porte-nom:** Votre badge vous donne, à vous et à votre invité, le droit de faire une visite à prix réduit des attractions, visites guidées, restaurants et activités d'accueil énumérés à la page 11.

**Awards Banquet:** The banquet is **NOT** included in the registration fee. Attendees and guests must wear their name badges to enter. Limited tickets available onsite.

**Banquet de remise des prix :** Le banquet n'est pas inclus dans les frais d'inscription. Les participants et les invités doivent porter leur badge pour entrer. Billets limités disponibles sur place.

## SCHEDULE | HORAIRE

<b>TUE   MARDI</b>	Registration   Inscription	16:30 – 20:00
July 9 Juillet	Opening Ceremony   Cérémonie d'ouverture	17:30 – 17:45
	Presidential Address   Discours de la Présidente	17:45 – 18:30
	Welcome Reception   Réception de bienvenue	18:30 – 20:30
<b>WED   MERCREDI</b>	Registration   Inscription	07:30 – 17:30
July 10 juillet	Refreshments and Health Break   Rafrâichissements et pauses	07:30 – 08:00
	Plenary Session (Fellows Address)   Séance plénière (Adresse du Fellow)	08:00 – 09:00
	Plenary Session (ABM)   Séance plénière (RAA)	09:00 – 10:00
	Refreshments   Rafrâichissements	10:00 – 10:30
	Concurrent Breakout Sessions   Sessions parallèles	10:30 – 12:00
	Lunch Break (no events)   Pause déjeuner (aucun événement)	12:00 – 13:30
	Concurrent Breakout Sessions   Sessions parallèles	13:30 – 15:00
	Refreshment Break   Rafrâichissements	15:00 – 15:30
	Concurrent Breakout Sessions   Sessions parallèles	15:30 – 17:00
	Annual Awards Banquet   Banquet annuel de remise des prix	19:00 – 21:00
<b>THU   JEUDI</b>	Registration/Inscription   Job Fair Check-in/Enregistrement	08:30 – 12:00
July 11 juillet	Refreshments and Health Break   Rafrâichissements et pauses	08:30 – 09:00
	Plenary Session (Keynote Speaker)   Séance plénière (conférencier principal)	09:00 – 10:00
	Job Fair Meet & Greet   Salon de l'emploi « Meet & Greet »	10:00 – 12:00
	Refreshments   Rafrâichissements	10:00 – 10:30
	Concurrent Breakout Sessions   Sessions parallèles	10:30 – 12:00
	Lunch Break (no events)   Pause déjeuner (aucun événement)	12:00 – 13:30
	Concurrent Breakout Sessions   Sessions parallèles	13:30 – 15:00
	Job Fair – Interviews   Entrevues	10:00 – 17:00
	Refreshments   Rafrâichissements	15:00 – 15:30
	Concurrent Breakout Sessions   Sessions parallèles	15:30 – 17:00
	CAES Board Meeting   Réunion du conseil d'administration	17:00 – 18:00
<b>FRI   VENDREDI</b>	Registration   Inscription	09:00 – 09:00
July 12 juillet	Post-Conference Learning Workshop   Atelier d'apprentissage post-conférence	08:30 – 16:00

# OPENING CEREMONY | CÉRÉMONIE D'OUVERTURE

---

**TUE, JULY 9 | 17:30 – 17:45 | PEARSON ROOM**

A tradition prayer ceremony will be performed by Algonquin Elder Rachèle Prud'homme. Rachèle Prud'homme has dedicated her life to working towards bringing awareness to Aboriginal history and culture. She takes part in Traditional Pow Wows every year as Woman Traditional Dancer. She strongly believes that: 'To dance is to pray, to pray is to heal, to heal is to give, to give is to live, to live is to dance.'



## PLENARY SESSIONS | SÉANCES PLÉNIÈRES

---

**PRESIDENTIAL ADDRESS: TUE, JULY 9 | 17:45 – 18:30 | PEARSON ROOM**



### **The Rise of AI: Death of the Economist?** Kara Beckles, Agriculture and Agri-Food Canada

Kara Beckles discusses her role as Chief Data Officer at Agriculture and Agri-food Canada and contemplates the rising role of data analytics and its potential usurping of the agricultural economist profession. She examines the evolution of data availability, collection and uses, such as advanced data analytics, machine learning and artificial intelligence, specifically within the agriculture and agri-food sector. She also shares examples of how private companies and public institutions, including

Agriculture and Agri-Food Canada, have tapped into a variety of new data sources to improve social, economic and environmental elements of farming in the sector. Specific implications for agricultural economic research are discussed, as are challenges that impede the development and use of machine learning, artificial intelligence, and data analytics in general. A data vision is shared, and the future relationship between data and the agricultural economist is imagined.

**FELLOWS ADDRESS: WED, JULY 10 | 8:00 – 9:00 | PEARSON ROOM**

*Supported by the Canadian Agricultural Economics and Farm Management Foundation*



### **Heterogeneous Consumers and Differentiated Food Markets: Implications for Quality Signalling in Food Supply Chains**

Jill Hobbs, University of Saskatchewan

This address begins by noting some recent consumer food trends and the changing way in which we perceive value-added. The address then focuses on the topic of heterogeneity in consumer behaviour, reviewing contributions from the literature that enhance our ability as economists to model and measure heterogeneity. Supply chain responses to consumer heterogeneity are examined, including a discussion of information flows within supply chains and the role of certification and verification. The address closes with a consideration of policy implications flowing from consumer heterogeneity.

**KEYNOTE ADDRESS: THU, JULY 11 | 9:00 – 10:00 | PEARSON ROOM**

*Supported by the Canadian Agricultural Economics and Farm Management Foundation*



### **Understanding, Predicting and Influencing Farmer Behaviour**

David Pannell, University of Western Australia

Behaviour is all the rage in economics, with thriving research, a recent Nobel Prize, best-selling books, and behavioural units in many governments. But behaviour has always been a focus of agricultural economics. Through modelling, surveys, statistics and natural experiments we have sought to predict farmer behaviour in response to markets, policy, land degradation, agricultural research, and innovation. This address is a rationalization of old and new thinking about behaviour in agriculture, aiming for cross-fertilization of ideas and methods.

## MEETINGS | RÉUNIONS

---

### CAES Annual Business Meeting

Wednesday, July 10, 9:00–10:00, Pearson Room  
Follows the Fellows Address

### Réunion d'affaires annuelle de la SCAE

Mercredi, 10 juillet, 9h00–10h00, Pearson Room  
Suivre l'Adresse du Fellow

### CAES Board Meeting

(current and new)

Thursday, July 11, 17:00–18:00, Pearson Room

### Réunion du conseil d'administration

(actuels et nouveaux)

Jeudi, 11 juillet, 17h00–18h00, Pearson Room

## RECEPTIONS | RÉCEPTIONS

---

### WELCOME RECEPTION: TUE, JULY 9 | 18:30 – 20:30 PM | BAR/PATIO ST-LAURENT ROOM

Network and meet up with colleagues from around the world over nibbles and beverages.

### ANNUAL AWARDS BANQUET: WED, JULY 10 | 19:00 – 21:00 | PEARSON ROOM

Join us in celebrating our award winners and new CAES Fellows and take in funny songs about economics sung by economist David Pannell from the University of Western Australia.

Tickets must have been purchased in advance. Limited tickets available at the door.



## STUDENT JOB FAIR | FOIRE D'EMPLOI POUR LES ÉTUDIANTS

---

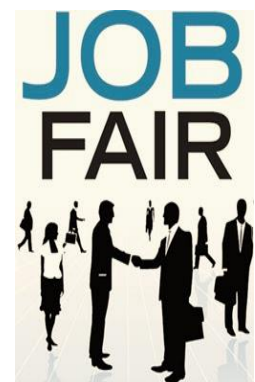
### THU, JULY 11 | 8:30 – 17:00

The Canadian Agricultural Economics Society is pleased to announce its first ever graduate student job fair!

08:30-12:00: **Check-in – Main Lobby.** Students can check-in anytime during the morning.

10:00-12:00: **Informal Meet & Greet – Ontario Room.** A morning Meet & Greet gives potential employers and students an opportunity to meet informally and chat over coffee.

10:00-17:00 **Interviews – Boardroom 800.** The afternoon is dedicated to one-on-one interviews between selected students and participating employers as identified by the potential employers. Some employers may schedule interviews in the afternoon after meeting students.



## LEARNING WORKSHOP | ATELIER D'APPRENTISSAGE

---

### FRI, JULY 12 | 8:30 – 16:00 | LADY ELGIN ROOM

### Evaluation of Public Policy and Programs Using Observational Data

**Organizers:** Getu Hailu (University of Guelph) and Kara Beckles (Agriculture and Agri-Food Canada)

**Instructors:** Yu Na Lee (University Guelph), Chad Lawley (University Manitoba), Duane Hayes (Agriculture and Agri-Food Canada), Alessandro Alasia (Statistics Canada) and Hamit-Haggar Mahamat (Statistics Canada)

**Computer and Data Support:** Natalia Piedrahita (University of Guelph) and Liam Kelly (University of Guelph)

**Eligibility:** The workshop is open and free to all CAES members and AAFC employees who have pre-registered.



# DETAILED PROGRAM | PROGRAMME DÉTAILLÉ

---

## Tuesday, July 9

---

### OPENING CEREMONY: 17:30–17:45 | Pearson Room

*A traditional prayer ceremony will be performed by Rachèle Prud'homme, Algonquin Elder*

---

### PRESIDENTIAL ADDRESS: 17:30–18:30 | Pearson Room

The Rise of AI: Death of the Economist?

*Kara Beckles, Agriculture and Agri-Food Canada*

---

### WELCOME RECEPTION: 18:30–20:30 | Bar/Patio St-Laurent Room

---

## Wednesday, July 10

---

### FELLOWS ADDRESS: 8:00–9:00 | Pearson Room

*Supported by Canadian Agricultural Economics and Farm Management Foundation*

Heterogeneous Consumers and Differentiated Food Markets: Implications for Quality Signalling in Food Supply Chains

*Jill Hobbs, University of Saskatchewan*

---

### ANNUAL BUSINESS MEETING: 9:00–10:00 | Pearson Room

*Follows Fellows Address*

---

### CONCURRENT SESSION 1: 10:30–12:00

---

#### Organized Symposium Session 1: Farmland Values and Ownership: A View from the Past and a Look into the Future

Organized by Nicoleta Uzea, AAFC

#### Laurier Room

Interest Rates, Trade, and Farm Revenues: What Does It Mean for Canada's Farmland Market?

*Craig Klemmer, Farm Credit Canada*

Dynamics of Farmland Ownership and Leasing for Beginning and Established Farmers

*Nicoleta Uzea, Agriculture and Agri-Food Canada; Angela Chen, Agriculture and Agri-Food Canada*

Farmland Ownership, Land Values, and Adoption of Conservation Practices

*Chad Lawley, University of Manitoba*

The Evolving Methodology of Producing Farmland Valuations

*Erik Dorff, Statistics Canada*

---

#### Selected Paper Session 1: Agri-Business

Moderator: Mohammad Torshizi, University of Alberta

#### St. Laurent Room

Price Effects of Common Ownership in the Seed Sector

*Mohammad Torshizi, University of Alberta*

A Study of Western Canadian Farmers' Attitudes towards Seed Royalties and Levy-Paid Producer-Led Research and Breeding  
*Monika Cule, University of Regina; Viktoriya Galushko, University of Regina; Richard Gray, University of Saskatchewan*

Profile of Agricultural Co-Operatives in British Columbia and Their Roles in the Regional Food Systems  
*Wallapak Polasub, Kwantlen Polytechnic University*

Sustainable Farming, Economic Diversification and the Technical Efficiency of Vegetable Farms in Oman  
*Mouza Al Salmi, Sultan Qaboos University; Msafiri Mbagu, Sultan Qaboos University; Saleem Nadaf, Oman Ministry of Agriculture & Fisheries*

---

#### Selected Paper Session 2: Consumer Purchasing Behaviour

Moderator: Alyssa Walpole, Agriculture and Agri-Food Canada

#### MacDonald Room

The Impact of Food Waste Reduction Labels on Consumer Purchase of Soup  
*Mike von Massow, University of Guelph; Andrew Baynham, University of Guelph*

GM Labels and Consumer Choice: The Case of Breakfast Cereal in Canada *Amanda Norris, University of Guelph; Mike von Massow, University of Guelph*

The Effect of Labelling Genetically Modified Products on Consumer Purchasing Behaviour *Andrew Baynham, University of Guelph; Mike von Massow, University of Guelph*

Participation in Supplemental Nutrition Assistance Program and Household Expenditures on Cigarettes and Alcohol *Rezgar Mohammed, University of Duhok*

---

### **Selected Paper Session 3: Trade**

Moderator: Sylvanus Afesorbor, University of Guelph  
**Lady Elgin Room**

Navigating Mega-Regional Trade Ties in Stormy Asia-Pacific Seas  
*Brad Gilmour, Asia Pacific Foundation*

Learning from Afar: The Relationship between Geographic and Linguistic Distance on Demand Learning  
*Natalia Piedrahita, University of Guelph; Getu Hailu, University of Guelph*

Impact of Slow Steaming on U.S. Imports: Does Time Sensitivity Matter?  
*Khadija Rouchdi, Virginia Tech University*

---

**LUNCH: 12:00–13:30 (No events planned)**

---

---

### **CONCURRENT SESSION 2: 13:30–15:00**

---

#### **Organized Symposium Session 2: “Meet the Editors” Panel Session**

Organized by Getu Hailu, University of Guelph  
**Laurier Room**

Panel:

Alan Ker, University of Guelph, CJAE Managing Editor  
Sean B. Cash, Tufts University, CJAE Co-Editor  
Getu Hailu, University of Guelph, CJAE Co-Editor  
Sebastien Pouliot, Farm Credit Canada, CJAE Co-Editor

---

#### **Selected Paper Session 4: Agricultural Commodity Markets**

Moderator: Derek Brewin, University of Manitoba  
**St. Laurent Room**

News Announcements and Price Discovery in Agricultural Futures Markets  
*Yu Wu, University of Manitoba; Julieta Frank, University of Manitoba*

Response of Agricultural Commodity Prices to Energy Shocks: New Evidence from China  
*Qingmeng Tong, University of Alberta/Huazhong Agricultural University; Feng Qiu, University of Alberta; Junbiao Zhang, Huazhong Agricultural University*

Do Food Safety Events Have a Long-term Impact on Live Cattle Futures Prices?  
*Arian Khaleghi Moghadam, Bloomsburg University; Claudia Schmidt, Penn State*

The Effect of Commodity Index Trading in Agricultural Futures Markets: A Factor Augmented Vector Autoregressive (FAVAR) Approach  
*Felix Braeuel, McGill University; Paul Thomassin, McGill University*

---

#### **Selected Paper Session 5: Resource and Environmental Economics**

Moderator: Simon Dessureault, Agriculture and Agri-Food Canada  
**MacDonald Room**

Incentivizing Hunters to Participate in Chronic Wasting Disease (CWD) Management in Alberta  
*Lusi Xie, University of Alberta; Wiktor Adamowicz, University of Alberta; Patrick Lloyd-Smith, University of Saskatchewan*

Economic Incentives for Land Reclamation: Evidence from the Oilsands Industry in Alberta  
*Zhanji Zhang, University of Alberta; Wiktor Adamowicz, University of Alberta; Grant Hauer, University of Alberta*

Valuing Wetlands in Nova Scotia, Canada  
*Patrick Withey, St. Francis Xavier University*

The Effect of Source Water Quality on Water Treatment Costs: Evaluation of Source Water Protection Practices  
*Ravkat Mukhtarov, University of Alberta; Grant Hauer, University of Alberta; Wiktor Adamowicz, University of Alberta*

---

#### **Selected Paper Session 6: Farm Labour and Employment**

Moderator: Ivan Kandilov, North Carolina State University  
**Lady Elgin Room**

The Determinants of U.S. Agricultural Wages  
*Amy Kandilov, RTI International; Ivan Kandilov, North Carolina State University*

Integration of Mathematical Programming and SAM Modeling Approaches for Agricultural Development Analysis: An Application to Iran  
*Habibollah Salami, University of Tehran; Hassan Mafi, University of Tehran; Vahedeh Ansari, University of Tehran*

Analysis of Agriculture Sector Employees from the Temporary Foreign Worker Program  
*Alexandre Perras-White, Statistics Canada; Martin Beaulieu, Statistics Canada*

The Impact of ACA Medicaid Expansions on Agricultural Workers' Health Insurance Coverage, Medical Care Utilization, and Labor Supply  
*Amy Kandilov, RTI International; Ivan Kandilov, North Carolina State University*

---

### CONCURRENT SESSION 3: 15:30–17:00

---

#### **Organized Symposium Session 3: A Debate on the Proposition: “The future performance and growth of the Canadian agriculture and agri-food sector will depend on increased diversification of exports to several foreign markets”**

Organized by Samuel Bonti-Ankomah and Deepananda Herath, Agriculture and Agri-Food Canada  
Moderator: Kara Beckles, Agriculture and Agri-Food Canada  
**Laurier Room**

#### Debaters:

William Kerr, University of Saskatchewan  
Bruno Larue, Université Laval  
James Rude, University of Alberta  
Rakhal Sarker, University of Guelph

---

#### **Selected Paper Session 7: Livestock Industry Issues**

Moderator: Tongzhe Li, University of Guelph  
**St. Laurent Room**

Piggy me? Anthropomorphism and Farm Animal Welfare (FAW) Preferences in Pigs  
*Albert Boaitay, University of Wisconsin-River Falls; Simon Jette Nantel, University of Wisconsin-River Falls*

Farm Animal Welfare Perceptions for Dairy Calves: A Survey of U.S. Adults, Youths, and Parent-Child Linkages  
*Kota Minegishi, University of Minnesota; Albert Boaitay, University of Wisconsin- River Falls*

A Cherry on Top? Non-Additivity in the Willingness to Pay for a Novel Environmentally Friendly Technology in Livestock Production  
*David Worden, University of Guelph; Getu Hailu, University of Guelph*

The Economics of Genomic Information Sharing in the Alberta Beef Sector  
*Yu Feng, University of Alberta; Henry An, University of Alberta; Philippe Marcoul, University of Alberta*

---

#### **Selected Paper Session 8: Land Issues**

Moderator: Richard Vyn, University of Guelph Ridgetown Campus  
**MacDonald Room**

Impact of the Ontario Greenbelt Legislation on Land Values and Housing Values in the Rural-Urban Fringe  
*A. Edwige Tia, University of Guelph; B. James Deaton, University of Guelph; Richard Vyn, University of Guelph Ridgetown Campus*

Prices Paid for Farmland in Ontario: Does Buyer Type Matter?  
*Richard Vyn, University of Guelph Ridgetown Campus; Max Shang, University of Guelph Ridgetown Campus*

Comparing Willingness-to-Pay and Willingness-to-Accept Approaches for Valuing Farmland Conversion and Protection in Alberta  
*Yicong Luo, University of Alberta; Brent Swallow, University of Alberta*

Property Rights, Institutional Change, and Economic Development: Evidence from the First Nations Land Management Act  
*Liam Kelly, University of Guelph; B. James Deaton, University of Guelph*

---

#### **Selected Paper Session 9: Agri-food and Environmental Policy**

Moderator: Bahareh Mosadegh Sedghy, University of Lethbridge  
**Lady Elgin Room**

Assessing the Effect of Food Retail Subsidies on the Price of Food in Remote Indigenous Communities: A Case Study of the Nutrition North Canada Subsidy Program  
*Jamie Naylor, University of Guelph; B. James Deaton, University of Guelph*

Fostering Climate Resilient Food Systems and Improving Nutritional Outcomes  
*Brad Gilmour, Asia Pacific Foundation*

Policy Discourse Analysis on Agro-Ecological Farming in the European Union (The Example of Hungary)  
*Zoltán Bakucs, Hungarian Academy of Sciences*

Grain Price Support Policy and Production Costs in China: A Panel Bounds Testing Approach  
*Jiarong Qian, Chinese Academy of Agricultural Sciences*

---

### ANNUAL AWARDS BANQUET: 19:00–21:00 | Pearson Room

Not included in the registration fee. Limited tickets may be available for purchase at the registration desk. Attendees and guests must wear their name badges to enter.

---



# Thursday, July 11

---

## KEYNOTE ADDRESS: 9:00–10:00 | Pearson Room

*Supported by Canadian Agricultural Economics and Farm Management Foundation*

Understanding, Predicting and Influencing Farmer Behaviour

*David Pannell, University of Western Australia*

---

## JOB FAIR: 10:00–17:00

Check-in (8:30-12:00) – Main Lobby Registration Desk

Meet & Greet (10:00-12:00) – Ontario Room

Interviews (10:00-17:00) – AAFC Interviews in Boardroom 800

---

## CONCURRENT SESSION 4: 10:30–12:00

---

### Organized Symposium Session 4: Austrian Perspectives on Agricultural Economics

Organized by Danny Le Roy, University of Lethbridge; Predrag Rajsic, University of Waterloo; and Glenn Fox, University of Guelph

Discussant: Sylvanus Afesorgbor, University of Guelph

#### Laurier Room

The Human Side of Trade: From NAFTA to USMCA

*Danny Le Roy, University of Lethbridge*

Comparative Advantage: A Market Process Perspective

*Predrag Rajsic, University of Waterloo; Glenn Fox, University of Guelph*

Recent US Climate Change Litigation: Testing the Austrian Approach?

*Glenn Fox, University of Guelph*

The Dynamics of Interventionism and Food Sovereignty: Towards a Typology

*Pierre Desrochers, University of Toronto Mississauga*

---

### Selected Paper Session 10: Impacts of Farm Support Programs

Moderator: Rakhil Sarker, University of Guelph

#### St. Laurent Room

Subsidized Crop Insurance and Technological Change in U.S. Crop Production

*Anna Chemeris, University of Guelph; Alan Ker, University of Guelph*

Business Risk Management Programs and the Productivity of Ontario Crop Farms

*Max Shang, University of Guelph Ridgetown Campus; Getu Hailu, University of Guelph*

Business Risk Management Programs and Farm-level Investments on Ontario Swine Farms

*Max Shang, University of Guelph Ridgetown Campus; Ken McEwan, University of Guelph Ridgetown Campus*

Business Risk Management Programs and Risk Balancing Behaviour in Canadian Agriculture: A Case Study of the Hog Sector in Ontario

*Rakhil Sarker, University of Guelph; Truc Thach, University of Guelph; Yu Na Lee, University of Guelph; Alfons Weersink, University of Guelph*

---

### Selected Paper Session 11: Technology and Agriculture

Moderator: Sara Burns, Statistics Canada

#### MacDonald Room

Detection of Greenhouses in Satellite and Aerial Imagery using Remote Sensing and Machine Learning

*Sara Burns, Statistics Canada*

Managing the Risks of Product Waste by Means of Radio Frequency Identification (RFID)

*Bahareh Mosadegh Sedghy, University of Lethbridge*

Harnessing Technologies for Agricultural Development in Nepal: The Power of Information

*Nicoletta Giulivi, McGill University*

---

### Selected Paper Session 12: Willingness to Pay

Moderator: Msafiri Mbagi, Sultan Qaboos University

#### Lady Elgin Room

Acceptability and Willingness to Pay for Vitamin-D Eggs in Quebec

*Sirine Aouini, Université Laval; Stéphane Bergeron, Université Laval; Maurice Doyon, Université Laval*

Foods beyond Arctic Circle: Consumer Perception and Willingness to Pay for Arctic Foods

*Yang Yang, University of Saskatchewan; David C. Natcher, University of Saskatchewan; Jill Hobbs, University of Saskatchewan*

Preferences for Local Food: Tourists versus Local Residents

*Tongzhe Li, University of Guelph*

Oman Consumer's Ethnocentrism and Willingness to Pay for Locally Produced Value Added Food Products

*Msafiri Mbagi, Sultan Qaboos University*

---

**LUNCH: 12:00–13:30 (No events planned)**

---

**CONCURRENT SESSION 5: 13:30–15:00**

---

**Organized Symposium Session 5: Focus on Fellows:  
Economic Evaluation of Agricultural Research in  
Canada: Past, Present and Future**

Organized by Kurt Klein, University of Lethbridge  
Session Chair: Douglas Hedley, Agriculture and Agri-Food  
Canada, retired

**Laurier Room**

*Supported by the Canadian Agricultural Economics and  
Farm Management Foundation*

The Past: Agriculture Canada's Bold Initiative in  
Embedding Economists with Agricultural Scientists  
*Kurt Klein, University of Lethbridge*

The Present: Research Priority Setting: Does Anyone  
Have the Map?  
*Richard Gray, University of Saskatchewan*

The Future: Funding and Evaluating Agricultural Science  
in the 21st Century  
*Glenn Fox, University of Guelph*

Commentary *Andrew Schmitz, University of Florida*

---

**Selected Paper Session 13: Dairy Industry**

Moderator: Getu Hailu, University of Guelph

**St. Laurent Room**

Assessment of the Financial Health of Quebec Dairy Farms  
*Jean-Charles Toupin, Université Laval; Martin Beaulieu,  
Statistics Canada*

Organic or Conventional? Profitability on Ontario's Dairy  
Farms  
*David Worden, University of Guelph; Getu Hailu, University  
of Guelph*

Impacts of Trade Liberalization in Canada's Supply  
Managed Dairy Industry  
*Scott Biden, University of Guelph; Alan Ker, University of  
Guelph*

Dairy Exports from Canada in the New Millennium: Here  
Today, Gone Tomorrow  
*Rakhal Sarker, University of Guelph; Corinne Stairs,  
University of Guelph*

---

**Selected Paper Session 14: International Rural Issues**

Moderator: Yu Na Lee, University of Guelph

**MacDonald Room**

Does Food Price Volatility Drive Migration? Evidence from  
Rural Ethiopia  
*Yu Na Lee, University of Guelph*

Estimating the Determinants of Non-Farm Enterprise  
Diversification in Rural Ethiopia: A Panel Data Double-  
Hurdle Model

*Precious Tshabalala, Universiti Putra Malaysia; Shaufique  
Sidique, Universiti Putra Malaysia; Yeong Sheng Tey,  
Universiti Putra Malaysia*

The Causal Effect of Public Infrastructure on Women's  
Empowerment in Rural Communities of India  
*Monica Shandal, University of Alberta; Sandeep  
Mohapatra, University of Alberta; Brent Swallow, University  
of Alberta; Prakashan Veettil, International Rice Research  
Institute*

Using Economics and Climate Science as Instruments for  
Climate Change Education in Rural Communities:  
Learnings from Tennessee and Kentucky  
*Rachna Tewari, University of Tennessee Martin; Mark  
Simpson, University of Tennessee Martin; Joseph  
Mehlhorn, University of Tennessee Martin; Naveen  
Musunuru, Murray State University; Brian Parr, Murray  
State University*

---

**Selected Paper Session 15: Economics of Agricultural  
Production Practices**

Moderator: Mohammad Khakbazan, Agriculture and Agri-  
Food Canada

**Lady Elgin Room**

Economic Evaluation of Precision Farming, Tillage  
Conservation, and Temporal Trends for Wheat and Canola  
Farming in Western Canada  
*Mohammad Khakbazan, Agriculture and Agri-Food  
Canada; Alan Moulin, Agriculture and Agri-Food Canada;  
John Huang, Agriculture and Agri-Food Canada; Patsy  
Michiels, Agriculture and Agri-Food Canada*

An Analysis of Diversifying Cropping Systems on Canadian  
Prairies  
*Elwin Smith, University of Lethbridge; Danny Le Roy,  
University of Lethbridge; Derek Brewin, University of  
Manitoba; Scott Jeffrey, University of Alberta*

The Impacts of Cover Crop Usage on Crop Yields and  
Profit Margins in Ontario  
*Danielle Mayers, University of Guelph; Richard Vyn,  
University of Guelph Ridgetown Campus; Laura Van Eerd,  
University of Guelph Ridgetown Campus*

Circular Economy: Application to Egg Production in  
Canada  
*Roger Rukundo, Université Laval; Stéphane Bergeron,  
Université Laval; Ibrahima Bocoum, Université Laval;  
Maurice Doyon, Université Laval*

---

## CONCURRENT SESSION 6: 15:30–17:00

---

### Organized Symposium Session 6: Cannabis in the Agri-Food Supply Chain

Organized by Deepananda Herath and Samuel Bonti-Ankomah, Agriculture and Agri-Food Canada  
Moderator: Katrin Nagelschmitz, Agriculture and Agri-Food Canada

#### Laurier Room

Understanding the Economic Importance of Cannabis to the Agriculture Sector  
*Stephen Smith, Agriculture and Agri-Food Canada*

Cannabis-Infused Food and Canadian Consumers' Willingness to Consider Recreational Cannabis as a Food Ingredient  
*Simon Somogyi, University of Guelph*

Legalization, Black-Markets, and the Price of Cannabis  
*Liam Kelly, University of Guelph*

Investment in Superior Genetics and Improved Climate Management: The Agricultural Keys to Maintaining Canada's Lead in the Cannabis Economy  
*Ernie Small, Agriculture and Agri-Food Canada*

---

### Selected Paper Session 16: Food Security

Moderator: Brad Gilmour, Asia Pacific Foundation  
**St. Laurent Room**

An Empirical Assessment of Food Security in First Nations in Canada  
*B. James Deaton, University of Guelph; Alexander Scholz, Centre for Addiction and Mental Health; Bethany Lipka, University of Guelph*

An Economic Analysis of Food Bank Use in Canada  
*Angela Sweeney, University of Guelph; Rakhil Sarker, University of Guelph*

Food Security Effects of Improved Crop Protection Products: Evidence from Cotton-Wheat Zone Pakistan  
*Muhammad Bilal, Georg-August-Universität Göttingen; Bernhard Brümmer, Georg-August-Universität Göttingen; Jan Barkmann, Hochschule Darmstadt*

### Selected Paper Session 17: Industrial Organization

Moderator: Bruno Larue, Université Laval  
**MacDonald Room**

Location Patterns of Craft Breweries in Ontario - Do Micro Breweries Have a Preference Among Communities?  
*Claudia Schmidt, Penn State; Arian Khaleghi Moghadam, Bloomsburg University*

Finance Source, Innovation, and Productivity in the Canadian Manufacturing Sector  
*Joseph Raymond, University of Guelph; Getu Hailu, University of Guelph*

The Influence of Rural Tourism on Agricultural Socialization Service from the Perspective of Industrial Convergence  
*Bin Huang, Renmin University of China; Zhen Zhong, Renmin University of China; Xiangzhi Kong, Renmin University of China*

---

### Selected Paper Session 18: Farm Finance and Management

Moderator: Nicoleta Uzea, Agriculture and Agri-Food Canada  
**Lady Elgin Room**

Contributions to Monthly Percent Changes for Farm Product Price Indexes  
*Andrew Baldwin, Andrew Baldwin Consultants*

Indebtedness and Financial Stress in Canadian Farms  
*Bertrand Montel, Groupe AGECO*

Dynamics of Farm Entry and Exit  
*Hongyu Chen, University of Guelph; Alfons Weersink, University of Guelph; Martin Beaulieu, Statistics Canada; Yu Na Lee, University of Guelph*

A Clustering Approach to Understanding Farmers Success Strategies  
*Chinonso Etumnu, Purdue University*

---

## CAES BOARD MEETING: 17:00–18:00 | Pearson Room

By invitation.

---

**Friday, July 12**

---

## POST-CONFERENCE WORKSHOP: 8:30 – 16:00 | Lady Elgin Room

Evaluation of Public Policy and Programs Using Observational Data  
*Organizers: Getu Hailu, University of Guelph; Kara Beckles, Agriculture and Agri-Food Canada*

---

# SPECIAL THANKS TO | REMERCIEMENT SPÉCIAL:

---

## CAES BOARD OF DIRECTORS | LE CONSEIL D'ADMINISTRATIVE 2018-2019

### **Executive Committee | Comité exécutif:**

President | Président: Brady Deaton, University of Guelph

Past-President | Président sortant: Peter Boxall, University of Alberta

President-Elect | Président-élu: Kara Beckles, AAFC-AAC

Treasurer | Trésorier: Martin Beaulieu, Statistics Canada-Statistique Canada

Secretary | Secrétaire: Alyssa Walpole, AAFC-AAC

Executive Director | Directrice générale: Valerie Johnson

### **Councillors | Conseillers:**

**2016-2019:** Bertrand Montel, Groupe Agéco; Mohammad Khakbazan, Agriculture and Agri-Food Canada; Bruce Phillips, Agriculture and Agri-Food Canada

**2017-2020:** Peter Slade, University of Saskatchewan; Richard Vyn, University of Guelph – Ridgetown Campus; Pascal Ghazalian, University of Lethbridge

**2018-2021:** Sylvanus Kwaku Afesorbor, University of Guelph; Simon Dessureault, Agriculture and Agri-Food Canada; Kathryn Forrester, Agriculture and Agri-Food Canada

**CJAE Editors | Éditeurs de la RCA:** Sean Cash, Tufts University; Sebastien Pouliot, Iowa State University; Wuyang Hu, University of Kentucky; Getu Hailu, University of Guelph; Alan Ker (Managing Editor)

## PROGRAM COMMITTEE | COMITÉ DU PROGRAMME

**Committee | Comité: Richard Vyn, Brady Deaton, Mohammad Khakbazan, Bruce Phillips, Pascale Ghazalian, Simon Dessureault, Kara Beckles, Jennifer Vignola, Valerie Johnson**

Enormous thanks are extended to this year's program committee for putting together a terrific conference. Special appreciation is extended to Richard Vyn, Program Chair, for the massive amount of time and effort he dedicated to the task. | Un merci énorme au comité de programme 2019 pour avoir créé un congrès exceptionnel. Une reconnaissance spéciale est accordée à Richard Vyn, président du comité, pour le temps et les efforts massifs qu'il a dédiés à sa tâche.

## NOTES

---

# FLASH YOUR BADGE



Exclusive offer available only for conventions booked through Ottawa Tourism.



▶ **DISCOUNTED ADMISSION FOR TWO PEOPLE, VALID WITH A DELEGATE BADGE.**

**OTTAWA**  
CANADA'S CAPITAL

## WELCOME

This Delegate Insider Badge entitles you and a guest to a discounted visit to the attractions, tours, restaurants and hospitality listed herein. No need to print this passport, all you have to do is present your delegate badge. Enjoy! Call these participating attractions in advance to make reservations and/or confirm availability if specified.

### MUSEUMS

#### Canada Agriculture and Food Museum

Enjoy a two-for-one admission. This fresh-air experience will awaken your senses as you discover the fascinating world of agriculture and food. Not valid for special exhibitions.

613.991.3044 •

[www.ingeniumcanada.org/agriculture](http://www.ingeniumcanada.org/agriculture)

901 Prince of Wales Drive, Ottawa, ON K2C 3K1

#### Canada Science and Technology Museum

Enjoy a two-for-one admission. A highly digital experience for the whole family – igniting visitors with a passion for science and inspiring the next generation of Canadian innovators. Not valid for special exhibitions.

613.993.2010 • [www.ingeniumcanada.org/scitech/](http://www.ingeniumcanada.org/scitech/)

1867 St. Laurent Blvd, Ottawa, ON, K1G 5A3

#### Canada Aviation and Space Museum

Enjoy a two-for-one admission. Explore the history of aviation by touring one of the world's finest collections of military and civilian aircraft. Not valid for special exhibitions.

613.993.2010 •

[www.ingeniumcanada.org/aviation/](http://www.ingeniumcanada.org/aviation/)

11 Aviation Parkway, Ottawa, ON, K1K 4R3

#### Canadian Museum of History

\$2 off adult admission. Cannot be combined with other offers. Print and present offer at the Museum's Box Office.

819.776.7000 • [www.historymuseum.ca](http://www.historymuseum.ca)

100 Laurier Street, Gatineau, QC K1A 0M8

#### Canadian Museum of Nature

Just minutes from Parliament Hill, the Museum features world class galleries representing Canada's diverse nature. Enjoy \$2 off general admission per person.

1-800-263-4433 • [www.nature.ca](http://www.nature.ca)

240 McLeod Street, Ottawa, ON K2P 2R1

#### Canadian War Museum

\$2 off adult admission. Cannot be combined with other offers. Print and present offer at the Museum's Box Office.

819.776.7000 • [www.warmuseum.ca](http://www.warmuseum.ca)

1 Vimy Place, Ottawa, ON K1A 0M8

#### Diefenbunker Museum

\$2 off general admission. Cannot be combined with other offers.

613.839.0007 • [diefenbunker.ca](http://diefenbunker.ca)

3929 Carp Road, Carp, ON K0A 1L0

#### National Gallery of Canada

Enjoy a two-for-one admission, or 50% off single adult admission. Valid only for the NGC collection. Not valid with any other discounts or promotions.

613.990.1985 • [www.gallery.ca](http://www.gallery.ca)

380 Sussex Drive, Ottawa, ON K1N 9N4

### GUIDED TOURS

#### Amphibus Lady Dive Inc.

Buy your ticket for a 1 day guided city tour with hop on & off services on our double decker buses and get the second at 50% off. Valid only if tickets are purchased at our kiosks and not valid on long weekends.

613.524.2221 • [www.ladydive.com](http://www.ladydive.com)

Corner of Sparks St. and Elgin St., Ottawa, ON K1A 0R2

#### C'est Bon Cooking

10% discount on the purchase of 2 tickets for our gourmet food tours. Tickets must be purchased in advance.

613.722.8687 • [www.cestboncooking.ca](http://www.cestboncooking.ca)

208 Dalhousie Street, Ottawa, ON K1N 7C8

#### Escape Bicycle Tours and Rentals

10% off any of our sightseeing guided bicycle tours and bicycle rental.

613.608.7407 • [escapebicycletours.ca](http://escapebicycletours.ca)

65 Sparks Street, Ottawa, ON K1P 5A5

#### Grayline Ottawa

Buy your ticket for a 1 day guided city tour with hop on & off services on our double decker buses and get the second at 50% off. Valid only if tickets are purchased at our kiosks and not valid on long weekends.

613.562.9090 • [www.grayline.com/ottawa](http://www.grayline.com/ottawa)

Corner of Sparks St. and Elgin St., Ottawa, ON K1A 0R2

#### Haunted Walks Inc.

Enjoy a 15% discount as you join our guides for a spine-tingling tour of Ottawa's ghost stories and darker past.

613.232.0344 • <http://hauntedwalk.com>

46 1/2 Sparks Street, Ottawa, ON, K1P 5A8

#### Ottawa City Rafting

15% off an authentic Canadian adventure in the heart of Ottawa. A 3 hour gentle rafting trip for ages 5-95.

1.844.688.7238 • [www.ottawacityrafting.com](http://www.ottawacityrafting.com)

2704 Howe Street, Ottawa, ON K2B 6W7

#### Rafting Momentum

Enjoy 50% off a rafting trip for two.

819.360.8247 • [raftingmomentum.com/en](http://raftingmomentum.com/en)

1041 Route 148, Bryson, QC, J0X 1H0

#### ToursByLocals

Three hour driving tour of Ottawa. See our website for our tour selections. 50% discount.

866-844-6783 • [www.toursbylocals.com](http://www.toursbylocals.com)

1978 Kelden Cr, Ottawa, ON K1B 4X9

### OTHER MUSTS

#### Au feel de l'eau

Enjoy a ride on the electric Aqua-Taxi. Buy your ticket and get the second one at 50% off.

819.329.2413 • [www.aufielddeleau.ca](http://www.aufielddeleau.ca)

At the base of the Ottawa Locks, Ottawa ON

#### Casino du Lac-Leamy

\$15 in slot machine promotional gaming credits per person. Photo ID required. Open 24/7. Must be 18+

819.772.2100 • [casinolacleamy.ca](http://casinolacleamy.ca)

1 Boulevard du Casino, Gatineau, QC J8Y 6W3

#### Calypso Waterpark

Calypso is the biggest waterpark in Canada! Enjoy a 15% discount on a full day admission ticket. ID required.

613.443.9995 • [www.calypsopark.com](http://www.calypsopark.com)

2015 Calypso Street, Limoges, ON K0A 2M0



### Casselview Golf Club

18-hole, par-72 course in Cassleman. 15% off on Green Fee.

 613.798.4653 • [www.casselview.com](http://www.casselview.com)  
844 Aurele Road, Cassleman, ON K0A 1M0


### Escape Manor

20% off an Escape Experience for 2 (Monday to Friday). Not valid in conjunction with any other offers.

 613.695.1655 • [www.escapemanor.com](http://www.escapemanor.com)  
201 Queen Street, Ottawa, ON, K1P 5C9


### Holtz Spa

Enjoy 10% off all spa treatments, registered massage services and hair salon services.

 613.241.7770 • [www.holtzspa.com](http://www.holtzspa.com)  
135 Rideau Street, Ottawa, ON K1N 5X4

### Le Boat

Discover the Beauty of the Rideau Canal on your own self-drive private yacht with Le Boat. Quote OBS19 for 5% savings.

 1.800.734.5491 • [www.leboat.ca](http://www.leboat.ca)  
1 Jasper Ave, Smiths Falls, Ontario, K7A 4B5


### Made in Canada Gifts

Free Rideau Canal Skateway Pewter Ornament (a \$24.99 value!) with any purchase.

 613-729-6378 • [www.madeincanadagifts.ca](http://www.madeincanadagifts.ca)  
50 Rideau Street, Unit E304, Ottawa, ON, K1N 9J7

### OWL Rafting on the Ottawa River

15% off Adventure & Sport Rafting trips from Sunday to Friday. See website for options and details.

 1-800-461-7238 • [www.owlrafting.com](http://www.owlrafting.com)  
40 OWL Lane, Foresters Falls, ON, K0J 1V

### Paul's Boat Lines

Delegates and a guest have access to a discounted rate of \$20.00 per person.

 819-246-3855 • [www.paulsboatline.com](http://www.paulsboatline.com)  
2 Rideau Street (Across from the Château Laurier Hotel)

### RA Centre

Delegates and a guest – Complimentary fitness day pass. Workout in the centre or participate in a GroupFIT class.

 613-733-5100 • [www.racentre.com/fitness](http://www.racentre.com/fitness)  
2451 Riverside Drive, Ottawa, ON K1H 7X7

### Rideau Canal Cruises

Delegates and a guest have access to a discounted rate of \$20.00 per person.


 819.246.3855 • [www.rideaucanalcruises.ca](http://www.rideaucanalcruises.ca)  
2 Rideau Street (Across from Château Laurier Hotel)

## RESTAURANTS

*(Reservations may be required)*

### The Aulde Dubliner & Pour House

Receive 15% off food at our comfy, two-level pub with the best view of Ottawa's historical ByWard Market.

 (613)562-0674 • [www.heartandcrown.pub](http://www.heartandcrown.pub)  
62 William Street, Ottawa, ON K1N 7A3


### Blue Cactus Bar and Grill

From starters to main dishes, Blue Cactus Bar and Grill offers excellence in contemporary cuisine. Offering 15% discount.

 613.241.7061 • [www.bluecactusbarandgrill.com](http://www.bluecactusbarandgrill.com)  
2 ByWard Market Square, Ottawa, ON K1N 7A1


### Clocktower Brew Pub - Clarence Street

Find this great brew pub in the bustling ByWard Market. Locally made craft beer with great pub-style dishes. 10% off food.

 613.241.8783  
• [www.cloctower.ca/locations/byward-market/](http://www.cloctower.ca/locations/byward-market/)  
89 Clarence Street, Ottawa, ON K1N 5P5

### Clocktower Brew Pub - Rideau Street

Clocktower's newest location! Locally made craft beer with great pub-style dishes. 10% off food.

 613.695.9955 • [www.cloctower.ca/locations/rideau/](http://www.cloctower.ca/locations/rideau/)  
140 Rideau Street, Ottawa, ON K1N 7B7

### Cornerstone Bar and Grill

Stop by for a taste of Canadiana! Great patio in the busy ByWard Market. 10% off food.

 613.241.6835 • 92 Clarence Street, Ottawa, ON K1N 7B5


### Courtyard Restaurant

Situated in a gorgeous old-stone walled building, Courtyard Restaurant is the perfect mix of modern sophistication and old-world charm. 10% off all food items for two guests. Reservations required.

 613.241.1516 • [www.courtyardrestaurant.com](http://www.courtyardrestaurant.com)  
21 George Street, Ottawa, ON K1N 8W5

### The Fish Market

Enjoy 15% off food items only. The warm ambiance and cozy booths are enjoyed with a menu of fresh fish, Canadian lobster, mussels, shrimp, scallops and everything between.

 613.241.3474 • [www.fishmarket.ca](http://www.fishmarket.ca)  
54 York Street, Ottawa, ON K1N 5T1


### The Grand Pizzeria & Bar

Enjoy 15% off. Italian restaurant: wood fired pizza, house made pasta, vegan, lactose free & gluten-friendly options.

 613.244.9995 • [www.thegrandpizzeria.com](http://www.thegrandpizzeria.com)  
74 George Street, Ottawa, ON K1N 5W1

### Heart & Crown - ByWard Market

Receive 15% off food at Ottawa's best known pub, located in the historical ByWard Market. Live music nightly.

 (613)562-0674 • [www.heartandcrown.pub](http://www.heartandcrown.pub)  
67 Clarence Street, Ottawa, ON K1N 5P5

### The Hintonburg Public House

Enjoy 15% off our food menu. Valid for two guests per badge shown.

 613.421.5087 • [www.hintonburgpublichouse.ca](http://www.hintonburgpublichouse.ca)  
1020 Wellington Street West, Ottawa, ON K1Y 2X9

### Lone Star Texas Grill

15% off food Sunday - Thursday. Cannot be combined with any other coupon, offer or discount.

 613.562.9865 • [www.lonestartexasgrill.com](http://www.lonestartexasgrill.com)  
128 George Street, Ottawa, ON K1N 9N9

### Lowertown Brewery

Local brewhouse with a great pub menu. Frequent evening events and live music. Located below the Sens House Sports Bar and Grill. 10% off food.

 613.722.1454 • [www.lowertownbrewery.ca](http://www.lowertownbrewery.ca)  
73 York Street, Ottawa, ON K1N 5T2

### Mantovani 1946

10% off for you and 1 guest. Excludes bulk gelato purchases.

 613 422 4255 • [www.mantovaniicecreamfranchise.com](http://www.mantovaniicecreamfranchise.com)  
87 Murray Street, Ottawa ON K1N 5M5


### Metropolitan Brasserie

Enjoy a 15% discount. Authentic Parisian brasserie, serving lunch, dinner, late supper & weekend brunch.

 613.562.1160 • [www.metropolitanbrasserie.com](http://www.metropolitanbrasserie.com)  
700 Sussex Dr. Ottawa, Ontario K1N 1K4


### Sens House Sports Bar and Grill

THE spot to watch an Ottawa Senators hockey game. Restaurant turns open-air in the summer time with retractable roof. Located above Lowertown Brewery. 10% off food.

 613.241.5434 • [www.thesenshouse.ca](http://www.thesenshouse.ca)  
73 York Street, Ottawa, ON K1N 5T2


### Zak's Cantina

Enjoy a 20% discount. Tex-mex: tacos, burritos, enchiladas, burgers. Featuring a life size Mexican bus with booths inside!

 613.422.9257 • [www.zakscantina.com](http://www.zakscantina.com)  
10 ByWard Market Ottawa, ON K1N 9B8

### Zak's Diner

Enjoy a 15% discount at Ottawa's diner since 1986. All day breakfast, lunch & dinner. Burgers, shakes & poutine. Open 24 hours!

 613.241.2401 • [www.zaksdiner.com](http://www.zaksdiner.com)  
14 ByWard Market, Ottawa, Ontario K1N 7A1