Tuesday May 3rd

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>1300 - 1700</td>
<td>CSAS Executive Meeting</td>
<td>Board Room</td>
</tr>
<tr>
<td>1600 - 1830</td>
<td>Exhibitor setup</td>
<td>Commons</td>
</tr>
<tr>
<td>1830 - 2100</td>
<td>Registration and reception</td>
<td>Commons</td>
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Wednesday May 4th

**Food Production and the Environment Symposium**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>0700 - 0730</td>
<td>Exhibitor setup</td>
<td>Commons</td>
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<tr>
<td>0730 - 0900</td>
<td>Poster presentations and refreshments / Student competitions</td>
<td>Commons</td>
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<tr>
<td>0900 - 0915</td>
<td>Welcome and Introduction - Robert Berthiaume</td>
<td>Guild Hall</td>
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<tr>
<td>0915 - 1000</td>
<td>Pasture for sustainable food production - A. Fredeen, Nova Scotia Agricultural College</td>
<td>Guild Hall</td>
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<tr>
<td>1000 - 1045</td>
<td>Methane emission mitigation strategies - A. Wright, University of Vermont</td>
<td>Guild Hall</td>
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<tr>
<td>1045 - 1130</td>
<td>National centre for livestock and the environment - K. Omins, University of Manitoba</td>
<td>Guild Hall</td>
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<tr>
<td>1130 - 1200</td>
<td>Panel discussion</td>
<td>Guild Hall</td>
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<tr>
<td>1200 - 1400</td>
<td>CSAS Annual General Meeting - Luncheon</td>
<td>Commons</td>
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<tr>
<td>1400 - 1700</td>
<td>CSAS Technical Sessions/Student Competitions (GH, Guild Hall)</td>
<td>GH 1 &amp; 2</td>
</tr>
<tr>
<td>1900 - 2100</td>
<td>CSAS evening social event - Halifax waterfront (details at on-site registration)</td>
<td>Commons</td>
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Thursday May 5th

**The Transition Dairy Cow Symposium**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>0730 - 0900</td>
<td>Poster presentations and refreshments</td>
<td>Commons</td>
</tr>
<tr>
<td>0900 - 0915</td>
<td>Welcome and Introduction - Julie Small</td>
<td>Guild Hall</td>
</tr>
<tr>
<td>0915 - 1000</td>
<td>Dry period length today - D. Santschi, Valacta (Daniel Lefebvre)</td>
<td>Guild Hall</td>
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<tr>
<td>1000 - 1045</td>
<td>Strategies to improve fertility - D. Ambrose, Alberta Agriculture Food Rural Development</td>
<td>Guild Hall</td>
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<tr>
<td>1045 - 1130</td>
<td>Nutritional management and health outcomes - M. Waldron, University of Missouri</td>
<td>Guild Hall</td>
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<tr>
<td>1130 - 1200</td>
<td>Panel discussion</td>
<td>Guild Hall</td>
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<tr>
<td>1200 - 1300</td>
<td>Lunch on your own</td>
<td>Guild Hall</td>
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<tr>
<td>1300 - 1700</td>
<td>CSAS Technical Sessions/Student Competitions (GH, Guild Hall)</td>
<td>GH 1</td>
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<tr>
<td>1300 - 1700</td>
<td>Symposium: Value Added Meats (VAM) (GH 2) Program details below</td>
<td>Commons</td>
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<tr>
<td>1800 - 2100</td>
<td>Annual Awards Banquet/Closing</td>
<td>Commons</td>
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Symposium: Value Added Meats (VAM) - Thursday 1300 - 1700 (Guild Hall 2)

- Welcome and Introduction - Shannon Scott, ALMA, Ltd.
- Flax supplementation effects on fatty-acid and sensory characteristics of beef - Shannon Scott, ALMA, Ltd
- Understanding the formation of dark-cutting beef - Heather Bruce, University of Alberta
- The use of sugars in high omega-3 processed pork products - Heather Bruce, University of Alberta
- Improving oxidative stability of omega-3 enriched pork - Krishnadas Peethambaran, University of Alberta
- Canadian Consumers response to innovation in meat packaging - Sven Anders, University of Alberta
- Microbiological safety of high pressure treated poultry meat - Michael Gänzle, University of Alberta

Poster Presentations:

- Branded Beef - Superior product quality or credence attributes? - Susan Markus
- Effect of long-term flax supplementation on performance and carcass characteristics of beef - Shannon Scott

** NOTE ** CMSA/CMC members who wish to attend the VAM symposium may sign-up at the CMSA/CMC on-site registration for transportation from the Halifax Marriot to the Atlantica Hotel and return.

Abstracts

Wednesday, May 4th - 14:15:00 - 14:30:00 (FPE-1)  Effect of time of cutting and maceration on forage composition, nutrient flow, microbial protein synthesis, and digestibility in dual-flow continuous culture

Wednesday, May 4th - 14:30:00 - 14:45:00 (FPE-1)  Bloat related foam stability from anthocyanidin-accumulating Lc-alfalfa and its relation to FTIR vibration spectroscopic features

Wednesday, May 4th - 14:45:00 - 15:00:00 (FPE-1)  Effect of varying concentrations of LM in corn or wheat based diets on hen egg yolk colour

Wednesday, May 4th - 15:00:00 - 15:15:00 (FPE-1)  Effect of Moderate Diet Restriction on Body Condition, Health, and Reproductive Longevity in Female Mink (Neovison vison)

Wednesday, May 4th - 15:15:00 - 15:30:00 (FPE-1)  Effect of wheat DDGS inclusion on grain-based feed digestible nutrient components and energy profiles

Wednesday, May 4th - 15:45:00 - 16:00:00 (FPE-1)  Initial study of Oasis® and lysozyme supplementation during long transport after hatching and lysozyme after placement on incidence of early mortality, development and growth performance of turkey poult

Wednesday, May 4th - 16:00:00 - 16:15:00 (FPE-1)  Hemorrhagic Enteritis in goats: possible role of mycotoxigenic fungi, mycotoxins and STEC infections in the disease complex

Wednesday, May 4th - 16:15:00 - 16:30:00 (FPE-1)  Nitrogen retention and balance in Lohmann LSL-Lite laying hens fed low protein diets with supplemented synthetic amino acids

Wednesday, May 4th - 16:30:00 - 16:45:00 (FPE-1)  The effects of consuming red clover pasture and beneficial fatty acid supplements on ram lamb growth performance.

Wednesday, May 4th - 16:45:00 - 17:00:00 (FPE-1)  Hemorrhagic diseases in ruminants: possible role for prebiotics and probiotics as disease management tools

Wednesday, May 4th - 14:15:00 - 14:30:00 (FPE-2)  DHA reduces triglycerides and stimulates fat metabolism in pigs.

Wednesday, May 4th - 14:30:00 - 14:45:00 (FPE-2)  Evaluation of the digestibility of three sweet potato (Ipomoea
batatas) by-products using broiler chickens

Molecular spectral features and protein metabolic characteristics of new co-products of bio-ethanol production

A method to compare the rate salmonella penetrates chicken eggshells

Effects of Tasco™ and Inulin on the growth performance of broiler chickens

Genome-wide selection in a simulated selected swine population

A mechanistic model of protein deposition and amino acid oxidation in response to amino acid imbalances and deficiencies in growing animals

Cortisol response to endotoxin-induced inflammatory stress is associated with aspects of the ovine immune system.

Effects of Sex and Dietary History on the Length of Telomeres - Does Obesity Accelerate Biological Aging in Mink (Neovison vison)?

Effects of applying a ferouyl esterase silage inoculant at ensiling on nutrient composition, in situ NDF disappearance and surface temperature of barley silage

Strategies to improve fertility in the lactating dairy cow

Not set

A ferulic acid esterase silage inoculant improves barley silage fermentation, aerobic stability and efficiency of feed use by growing feedlot cattle

Effects of marine oil supplements on bioenergetic and milk production parameters in grazing or confined cows 90 days post-calving

Accuracy and Precision of the NRC (2000) Beef Model for Predicting Net Energy of Maintenance and Gain Requirements of Cattle

Jejunal Hemorrhage Syndrome in cattle: possible role of mycotoxins and STEC infections in the disease complex

In situ characterization of rumen bacteria using a chaperonin-60 sequencing approach in dairy cows fed perennial ryegrass silage or pasture based- diet

Single nucleotide polymorphisms (SNPs) in candidate genes are associated with digestive function in multi-breed beef cattle

The effects of experimentally-induced E. coli clinical mastitis on standing and lying activity in dairy cows

Production of dairy heifers from beef cattle recipients of Holstein embryos.
Thursday, May 5th - 15:30:00 - 15:45:00 (TDC-1)  
Assessment of heat and methane production in beef cattle with different feed efficiency

Wednesday - 9:00 AM - 9:15 AM (FPE-P)  
The use of reticulo-rumen temperature (Trr) monitoring in beef cows to forecast calving.

Thursday, May 5th - 16:00:00 - 16:15:00 (TDC-1)  
The effect of late fall grazing Tall Fescue or Tall fescue and red clover pastures on winter calving beef cow and calf productivity and cow milk yield

Thursday, May 5th - 16:15:00 - 16:30:00 (TDC-1)  
Effects of feeding a high fiber byproduct feedstuff on rumen fermentation and productivity of dairy cows in early lactation

Thursday, May 5th - 13:00:00 - 13:15:00 (VAM)  
Understanding the formation of dark-cutting beef in Alberta

Thursday, May 5th - 13:15:00 - 13:30:00 (VAM)  
Effect of long-term flax supplementation on the fatty acid profile and sensory characteristics of beef from heifers

Thursday, May 5th - 14:00:00 - 14:15:00 (VAM)  
Sensory characterization of omega-3 enriched pork meat using free choice profiling following addition of sugars

Thursday, May 5th - 14:45:00 - 15:00:00 (VAM)  
Improving oxidative stability of omega-3 enriched pork by addition of sugars

Thursday, May 5th - 15:30:00 - 15:45:00 (VAM)  
Canadian consumers' response to innovations in meat packaging - evidence from Real Choice experiments

Thursday, May 5th - 16:15:00 - 16:30:00 (VAM)  
Microbiological safety of high pressure treated poultry meat

Wednesday, May 4th - (FPE-Poster-1)  
Prediction of lysine content and availability in corn distillers dried grains with solubles (DDGS) samples.

Wednesday, May 4th - (FPE-Poster-2)  
Effect of different levels of canola meal and fat sources on performance and egg quality in laying hens

Wednesday, May 4th - (FPE-Poster-3)  
Effect of incorporation of purple prairie clover (Petalostemon purpureum) into cool season grasses mixture on in vitro ruminal fermentation

Wednesday, May 4th - (FPE-Poster-4)  
Development of a two-species cDNA microarray for transcriptional profiling of sow reproductive traits

Wednesday, May 4th - (FPE-Poster-5)  
Protein and carbohydrate fractions and chemical profiles of triticale and triticale dried distillers grains with solubles

Wednesday, May 4th - (FPE-Poster-6)  
Evaluation of whelks as an alternative source of calcium for laying hens

Wednesday, May 4th - (FPE-Poster-7)  
Determination of the effects of crab meal fed to laying hens on egg yolk astaxanthin content and fatty acid profile

Wednesday, May 4th - (FPE-Poster-8)  
Milk fat from cows with subacute ruminal acidosis increases fasting blood glucose and insulin, but does not impair insulin-stimulated glucose transport when fed to rodents.

Wednesday, May 4th - (FPE-Poster-9)  
Aleutian mink disease virus infection causes hair depigmentation

Wednesday, May 4th - (FPE-Poster-10)  
Effect of moderate maternal diet restriction on the viability and development of mink kits (Neovison vison)
Alfalfa at three stages of maturity harvested at sunset and sunrise: botanical traits, chemical composition and dry matter digestibility

Growth and pigmentation in Arctic Charr (Salvelinas alpinus) fed diets with different lipid sources and astaxanthin

The digestibility of nutrients in high protein corn by-products by Rainbow trout (Oncorhynchus mykiss)

Efficacy of prebiotics on growth performance in replacing antibiotics in weanling pigs

Adaptation responses to an experimentally induced systemic acidosis in yearling wether lambs

Estimating the dynamic requirements of lysine supporting maximal protein deposition in individually-fed growing-finishing pigs

Response of growing-finishing pigs to increasing levels of dietary lysine: a meta-analysis study

Free space utilization by sows in gestation pens equipped with walk-in/lock-in stalls

Adipocyte Size and Hormone Sensitive Lipase Gene Expression in Mink (Neovison vison) with Fatty Liver Disease

Growth performance and carcass composition of Rainbow trout (Oncorhynchus mykiss) fed practical diets containing graded levels of high fat residue Camelina meal

Stockpiled grasses can provide quality winter pasture in Atlantic Canada

Effects of Crina on fermentation and digestibility of high-grain diet in Rusitec

Working together to improve the sustainability of livestock and cropping systems

The effect of subacute ruminal acidosis on milk fatty acid profile in dairy cattle

Fecal shedding of Escherichia coli of cattle grazing pastures with and without purple prairie clover (Petalostemon purpureum)

Subacute ruminal acidosis (SARA) in dairy cows leads to increases in ruminal lipopolysaccharide (LPS), plasma LPS binding protein, and correlates with the rumen epithelial interleukin-6 (IL-6) response.

Effect of subacute ruminal acidosis adaptation and recovery on the density and diversity of rumen bacteria from non-lactating dairy cattle

Regulation of intake of febrile animals with subacute ruminal acidosis

Rumen epithelial adaptation to high-grain diets in lactating dairy cattle involves the coordinated expression of IGF binding proteins
and cholesterogenic enzymes.

Thursday, May 5th - (TDC-Poster-7) Decreasing the solids-non-fat:fat ratio of milk with dietary feather meal in dairy cows

Thursday, May 5th - (TDC-Poster-8) Meta-analysis of the effects of dietary copper, zinc and iron on serum and liver copper and growth performance in growing-finishing cattle

Thursday, May 5th - (TDC-Poster-9) Predicting internal trailer THI based on space allowance and ambient THI during transport of fall-weaned beef calves

Thursday, May 5th - (TDC-Poster-10) Evaluation of batch effect of the co-products from a newly developed bioethanol plant on metabolic characteristic of protein in dairy cattle with DVE 2007 Model

Thursday, May 5th - (TDC-Poster-11) Alfalfa at three stages of maturity harvested at sunset and sunrise: effects on dairy cattle performance

Thursday, May 5th - (TDC-Poster-12) Influence of feeding increasing levels of dry corn distillers grains plus solubles in whole corn grain-based finishing diets on total tract digestion, nutrient balance and excretion in steers.

Thursday, May 5th - (TDC-Poster-13) Assessing internal body fat using real-time ultrasound in mature beef cows.

Thursday, May 5th - (TDC-Poster-14) Reproductive parameters in postpartum dairy cows fed a ration supplemented with wheat dried distiller’s grains with solubles (wDDGS)

Thursday, May 5th - (TDC-Poster-15) Prevalence of lameness within hospital and chronic pens of 3 Southern Alberta feedlots during summer months

Thursday, May 5th - (TDC-Poster-16) Bioperformance evaluation of various summer pasture and winter feeding strategies for cow-calf production

Thursday, May 5th - (TDC-Poster-17) The relationship of rumen acidosis resistance to rumen VFA profile, butyrate metabolism, and plasma metabolites in steers fed a high grain diet

Thursday, May 5th - (TDC-Poster-18) Effect of a single intramuscular injection of ketoprofen on physiological and behavioural indicators of pain in beef calves following surgical or band castration

Thursday, May 5th - (TDC-Poster-19) Effect of multiple intramuscular injections of ketoprofen on physiological and behavioural indicators of pain in beef calves following surgical or band castration

Thursday, May 5th - (TDC-Poster-20) Hepatic transcript abundance to predict future lactation performance in dairy heifers using Partial Least Squares regression analysis

Thursday, May 5th - (TDC-Poster-21) Evaluation of biological effects of phytochemicals in lactating Holstein dairy cows

Thursday, May 5th - (TDC-Poster-22) The effect of transport distance on cattle liner microclimate, live weight loss and carcass quality of finished heifers during summer transport

Thursday, May 5th - (TDC-Poster-23) Effect of grain- and alfalfa pellet-induced sub-acute rumen acidosis (SARA) challenges on oxidative stress in dairy cows
| Thursday, May 5th - (TDC-Poster-24) | Effect of long-term flax supplementation on performance and carcass characteristics of beef heifers. |
| Thursday, May 5th - (TDC-Poster-25) | Milling process did not affect amino acid (AA) profiles of ruminal undegradable protein (RUP) from corn distiller grain |
| Thursday, May 5th - (TDC-Poster-26) | Effects of bioethanol processing on rumen degradation kinetics, intestinal protein digestibility and predicted truly absorbed intestinal protein supply of original cereal grains and new co-products of bio-ethanol production |
| Thursday, May 5th - (TDC-Poster-27) | Hepatic histology patterns are related to feed efficiency in the bovine |
| Thursday, May 5th - (TDC-Poster-28) | Evaluation of the Afimilk Pedometer Plus tag system for predicting estrus in dairy cows housed in tie-stalls |
| Thursday, May 5th - (TDC-Poster-29) | Evaluation of the Afimilk Pedometer Plus Tag system for predicting parturition in dairy cows housed in tie-stalls |
| Thursday, May 5th - (TDC-Poster-30) | Translational control of bovine Alpha s2- and Beta-casein mRNA by untranslated regions |
| Thursday, May 5th - (TDC-Poster-31) | Accuracy and precision of the NRC (2000) beef model for predicting cattle performance under western Canadian environmental conditions |
| Thursday, May 5th - (TDC-Poster-32) | Characterization of wheat, wheat-corn, and corn distillers’ dried grain with solubles (DDGS) and incorporation into dairy lactation diets |
| Thursday - 3:45 PM - 4:00 PM (TDC-1) | Effect of Different Batches of Original FeedStock and Wheat Dried Distiller’s Grain with Solubles from a Newly Developed Bioethanol Plant on Rumen Degradation Characteristics of Various Nutrients |
| Thursday, May 5th - (VAM-Poster-1) | Branded Beef - Superior product quality or credence attributes? |