



**ISES 2019 - GUELPH**  
15th International  
Equitation Science Conference  
August 19-21, 2019

**Bringing Science to the Stable**

[www.equitationsscience.com](http://www.equitationsscience.com)

## SUNDAY AUGUST 18TH

### DAY 0: PRE-CONFERENCE ACTIVITIES

8:00-9:00am	<b>Theory Class for Large Animal Technical Rescue (PATH 1800)</b>
9:00-10:30am	<b>Large Animal Technical Rescue Training Workshop A (Equine Guelph Arena)</b>
10:30-11:00am	<i>Workshop restaging</i>
11:00-12:30pm	<b>Large Animal Technical Rescue Training Workshop B (Equine Guelph Arena)</b>
12:30-1:15pm	<b>LUNCH on own</b>
1:30-3:00pm	<b>Pre-Conference Workshop 1 (PATH 1800)</b> Lost in translation? Understanding and improving the communication of science in equine communities. <i>Cristina Wilkins and Kate Fenner</i>
3:30-5:00pm	<b>Pre- Conference Workshop 2 (PATH 1800)</b> An ethogram for horses: Can we all agree on what horses do? <i>Marc Pierard</i>
7:00-9:00pm	<b>CONFERENCE WELCOME RECEPTION &amp; REGISTRATION</b> <i>Summerlee Science Complex Atrium</i> Hosted by Terra Nova

## MONDAY AUGUST 19TH

### DAY 1: ROZANSKI HALL

7:00am-5:00pm	<b>REGISTRATION (all day; Rozanski Concourse)</b> All oral presentations held in Rozanski 101
8:00am	<b>OFFICIAL WELCOME</b>
8:30-9:30am	<b>PLENARY #1</b> <i>Origins: How Humans and Horses Began their Everlasting Friendship</i> Dr Sandra Olsen; Curator-in-Charge, Biodiversity Institute and Natural History Museum, University of Kansas, USA

9:30-9:40am	<b>Poster Blitz Session A (6X1min)</b>
9:40-10:30am	<b>BREAK &amp; EXHIBITORS, POSTER SESSION A (Rozanski Concourse)</b>
10:30-12:00pm	Scientific Session 1: Horse and Rider
10:30am	Did you put on weight? The influence of increased rider weight on horse behavioural and physiological parameters. <i>Janne Winther Christensen</i>
10:45am	On-ground rider weight symmetry mirrors balance in the saddle. <i>Mette Uldahl</i>
11:00am	Riders' perception of balance and how it impacts Equine Welfare - Phase 1 - Assessing riders' perception of balance before riding. <i>Christine Ramsey</i>
11:15am	Factors influencing show-jumping performance of top sport horses. <i>Klára Ničová</i>
11:30am	Investigating safer human-interactions with horses: Tradition vs Science. <i>Meredith Chapman</i>
11:45am	Equine Response Behaviour to Game Encounters During Horseback Safari Rides. <i>Evelyn Hodgson</i>
12:00-1:30pm	<b>LUNCH (Creelman Hall)</b>
1:30-2:30pm	<b>PLENARY #2</b> <i>What is Equitation Science?</i> Dr Camie Heleski; Senior Lecturer, University of Kentucky, USA
2:30-2:40pm	<b>Poster Blitz Session B (6X1min)</b>
2:40-3:30pm	<b>BREAK &amp; EXHIBITORS, POSTER SESSION B (Rozanski Concourse)</b>
3:30-5:00pm	Scientific Session 2: Equipment Use
3:30pm	A comparison of Micklem bridles and conventional bridles fitted with restrictive nosebands. <i>Dean Bucknell</i>
3:45pm	Changes in pressures exerted on sub-noseband tissues by tightening the noseband. <i>Orla Doherty</i>
4:00pm	An investigation into equestrian spur use in the United Kingdom. <i>Victoria Lewis</i>
4:15pm	Preliminary investigation into the effect of noseband design on rein tension and the force exerted on the frontal nasal plane. <i>Jayne Peters</i>
4:30pm	Understanding whip use in riders in sports horse disciplines. <i>Jane Williams</i>
4:45pm	Evaluation of Whip Use in British Showjumping. <i>Kirstin Spencer</i>
5:00-7:00pm	<b>DINNER on own</b>
7:00-8:00pm	<b>CLEVER HANS TALK (ROZ 101)</b> <i>Bush Trails and Horse Tales: Relationships between horses, people, and Indigenous lands in central British Columbia</i> Dr. Jonaki Bhattachararyya; Senior Researcher, The Firelight Group, Canada

# TUESDAY AUGUST 20TH

## DAY 2: ROZANSKI HALL

7:00am-5:00pm	<b>REGISTRATION (all day; Rozanski Concourse)</b> All oral presentations held in Rozanski 101
8:00am	<b>WELCOME</b>
8:15-9:15am	<b>PLENARY #3</b> <i>Human behaviour change</i> Dr Nic de Brauwere; Head of Welfare, Rehabilitation and Education, Redwings Horse Sanctuary, UK
9:15-9:25am	<b>Poster Blitz Session C (6X1min)</b>
9:25-10:15am	<b>BREAK &amp; EXHIBITORS, POSTER GROUP C (Rozanski Concourse)</b>
10:15am-11:45pm	Scientific Session 3: Kinematics and Management
10:15am	A preliminary study investigating the effect of Slow/Trickle Feeders on nocturnal feeding behaviour and time budgets of stabled horses. <i>Barbara Hardman</i>
10:30am	The Methodological Challenges Associated with Measuring the Equine Stress Response in Real Life Scenarios. <i>Gemma Pearson</i>
10:45am	Lower neck and forelimb locomotion in horses: a clinical model of nerve root dysfunction. <i>Gwenola Touzot-Jourde</i>
11:00am	The Effects of Surface and Animal Size on Hoof Loading in Horses. <i>Alexis Szpakowski</i>
11:15am	Asymmetrical Limb Loading in Thoroughbred Racehorses as a Possible Cause for Injury. <i>Danielle Halucha</i>
11:30am	Impact of a companion horse during stressful situations. <i>Claire Ricci-Bonot</i>
11:45am-1:00pm	<b>LUNCH (Creelman Hall)</b>
1:00-2:30pm	Scientific Session 4: Welfare and Quality of Life
1:00pm	An investigation of Traveller/Gypsy horse owners' understanding of the concept of welfare. <i>Marie Rowland</i>
1:15pm	Informing a Social License to Operate Communication Framework: Attitudes to Sport Horse Welfare. <i>Julie Fielder</i>
1:30pm	Prospects of non-invasive stress measuring in equestrian training. <i>Esmeralda Tuomi</i>
1:45pm	Indicators on the outside: Behaviour and equine Quality of Life. <i>Carol Hall</i>
2:00pm	Indicators on the inside: Physiology and equine Quality of Life. <i>Hayley Randle</i>
2:00-2:10pm	<b>Poster Blitz Session D (5X1min)</b>
2:10-3:00pm	<b>BREAK &amp; EXHIBITORS, POSTER GROUP D (Rozanski Concourse)</b>

3:00-4:00pm	<b>PLENARY #4</b> <i>Learning theory across species</i> Dr Andrew McLean; ESI International, Australia
4:30-5:30pm	<b>Annual General Meeting</b>
7:00-11:00pm	<b>BANQUET (Brass Taps)</b> <i>The GMOs – rock and roll dance band</i>

## WEDNESDAY AUGUST 21ST

### DAY 3: PRACTICAL DAY

7:45am	<b>Buses Leave UoG Campus</b> (pick-up location TBD) Travel to Ancaster Fairgrounds (~50min)
9:00am	<b>WELCOME</b>
9:10-9:50 am	<b>Positive Reinforcement Training Demonstration</b> (Arena) - Presented by Shawna Karrasch (Terra Nova)
9:50-10:30am	<b>Smart Halter for Monitoring Distress Demonstration</b> (Arena) - Presented by Jeffery Schab (Nightwatch)
10:30-11:00am	<b>BREAK</b>
11:00-11:40am	<b>Codes of Practice and Equine Welfare Assessment Workshop</b> (Emick Room) - Presented by Katrina Merkies and Cordy DuBois (University of Guelph)
11:50-12:30pm	<b>Saddle Fitting Theory Lecture</b> (Emick Room) - Presented by Jochen Schleese (Saddlefit4Life)
12:30-2:00pm	<b>LUNCH</b> <b>Hamilton Police Horse Public Order Training Demonstration</b> (Arena)
2:00-2:40pm	<b>Saddle Fitting Live Demonstration</b> (Arena) - Presented by Jochen Schleese (Saddlefit4Life)
2:50-3:30pm	<b>Technical Sportswear to Improve Riding Position Demonstration</b> (Arena) - Presented by Allison Pezzack (Visualise)
3:40-4:20pm	<b>Rein Sensor Demonstration</b> (Arena) - Presented by Menke Steenbergen (IPOS)
4:30-5:10pm	<b>Technical Sportswear to Improve Riding Precision Demonstration</b> (Arena) - Presented by Dominic Lombardo (equa vert)
5:15pm	<b>CONCLUSION AND FAREWELL</b>
5:30pm	<b>Buses leave to return to UoG</b>

# POSTER PRESENTATIONS

## MONDAY AUGUST 19TH

### SESSION A: 9:40-10:30AM

<i>Sarah Schlote</i>	The Polyvagal Theory Applied to Horses and Horsemanship
<i>Sue Wilson</i>	Barn or Yard? When given the choice, where does a horse choose to spend its time?
<i>Jaymie Loy</i>	A preliminary study of the effects of the number of consecutive days of training and days off on foal recall
<i>Daniela Hayman</i>	Examining the horse-human bond from the human perspective
<i>Lauren Tufton</i>	The Elusive "Feel" : Exploring the Quality of the Rider-Horse Relationship
<i>Katrina Merkies</i>	The effect of police horse training on the behavioural and physiological responses to different environments encountered on the job

### SESSION B: 2:40-3:30PM

<i>Yuji Takahashi</i>	Electromyographic changes with exercise-induced fatigue on the treadmill in different muscles
<i>Emily Kieson</i>	Preliminary findings of observations of affiliative and stress behaviours in large horse herds with variations in resources
<i>Kyungeun Lee</i>	Behaviour and heart rate responses in horses exposed to novel stimuli
<i>Michael Guerini</i>	Development of a numeric scale to document and communicate the findings from Saddle Fit Thermograms in an objective manner
<i>Laurie McDuffee</i>	Interpreting Heart Rate Variability Measures in the Stable
<i>Victoria Lewis</i>	Kinematic and saddle pressure analysis of elite side-saddle riders versus novice level sidesaddle riders

## TUESDAY AUGUST 20TH

### SESSION C: 9:25-10:15AM

<i>Larissa Carr</i>	A Comprehensive Evaluation of Stress in Horses During Therapeutic Riding Sessions
<i>Tanja Bornemann</i>	Head and neck positions in the ridden horse: An exploration of trends observed in an Australian horse sales magazine from the years 2005 and 2018
<i>Roberta Ariboni Brandi</i>	Effect of horses' reactivity to challenging situations on horse-rider match or mismatch
<i>Maud Chatel</i>	What's in a warm-up? A preliminary investigation of how French dressage riders and show jumpers warm-up their horses for competition.
<i>Victoria Lewis</i>	Comparison of Functional Movement Screening Scores between novice and advanced show jumping riders
<i>Menke Steenbergen</i>	Validation of the IPOS Gait Detection Algorithm for horses

### SESSION D: 2:10-3:00PM

<i>Amelia Cameron</i>	What methods are used to limit horses grazing in the UK and what are horse carers' opinions on these?
<i>Hannah Lydotes</i>	Ammonia Absorption in Various Equine Stall Beddings
<i>Aimee Bickley</i>	Will I stay or will I go: Are the motivators for equine professionals contributing factors to career longevity?
<i>Linda Greening</i>	Owner perceptions of management factors associated with the display of abnormal locomotor behaviour
<i>Chloe Wires</i>	Interpretation and understanding of equine behaviour terminology of participants at the 2018 International Society for Equitation Science conference