

**Friday, May 4**

<b>Registration &amp; Continental Breakfast</b>	
Welcome	
Keynote 9:15–10:00 ECS 125	
<b>Break</b>	<b>Workshop 1</b> 10:15–12:45 ECS 125
Paper Session A 10:30–12:30 ECS 124	
<b>Focus Group (Nelson)</b> 12:30 to 1:30 ECS 104	<b>Lunch</b> 12:30 to 1:45
Paper Session B 1:30–3:00 ECS 124	<b>Workshop 2</b> 1:45–3:45 ECS 660
<b>Break</b>	<b>Break</b> <b>Tutorial (Pearson)</b> 4:00–4:45 ECS 104
Paper Session C 3:15–4:45 ECS 124	
<b>Interval</b>	
WCCES AGM ECS 125	
<b>Reception (University Club)</b> 5:30–7:00	

**Saturday, May 5**

<b>Continental breakfast</b>	
9:00 Welcome back: ECS 125	
Paper Session D 9:15–10:45 ECS 124	Paper Session E 9:15–10:45 ECS 125
10:00	
<b>Break</b>	
11:00	
Closing Presentation 11:15–noon ECS 125	
noon	
Close: ECS 125	
<b>Lunch</b> 12:15 - ...	
1:00	
2:00	
3:00	
4:00	
5:00	
6:00	

## Friday, May 4

**Welcome: ECS 125, 9:00 am to 9:15 am**

**Keynote Presentation: ECS 125, 9:15 am to 10:00 am**

Scholarly Evaluation of Teaching Interventions in Computer Science  
*Michelle Craig (University of Toronto)*

**Workshop 1: ECS 125, 10:15 am to 12:45 pm**

Playing to Your Strengths: Appreciative Inquiry as a Scholarly Tool  
for Your Computing Education Practice and Professional Development  
*Meghan Allen, Steven A. Wolfman (University of British Columbia)*

**Paper Session A: ECS 124, 10:30 am to 12:30 pm**

Engaging Secondary and Post-Secondary Students  
to Learn and Explore Programming Using a Theme-Based Curriculum  
and the Sphero SPRK+ Robot  
*Steven Hadfield, Justin Raynor, Matthew Sievers (US Air Force Academy)*

Teaching Computer Architecture Labs using a MCU Platform  
*Alex Aravind, Rafael Otero (University of Northern British Columbia)*

CS for Non-CS Science Students: Course Design Under Constraints  
*Charles Hepler (Mount Royal University), Caitlin Ryan (University of Calgary),  
Jordan Kidney (Mount Royal University)*

Anatomy of a New Data Science Course in Privacy, Ethics, and Security  
*Ed Knorr, Giulio Dalla Riva (University of British Columbia),  
Orlin Vakarelov (Duke University)*

**Paper Session B: ECS 124, 1:30 pm to 3:00 pm**

Experiential Learning through Inter-University Collaboration Research  
Project in Academic Integrity  
*Herbert H. Tsang (Trinity Western University),  
Alice Schmidt Hanbidge, Tony Tin (University of Waterloo)*

## **Paper Session B (continued)**

On Faculty Supervision in Industry Projects

*Michal Aibin, Aaron Hunter (British Columbia Institute of Technology)*

Visualizing Code Patterns in Novice Programmers

*Jeff Bulmer, Angie Pinchbeck, Bowen Hui (University of British Columbia)*

## **Workshop 2: ECS 660, 1:45 pm to 3:45 pm**

Experience Hands On K–12 and First-Year University Coding Curricula  
Based on the Sphero SPRK+ Robot

*Steven Hadfield (United States Air Force Academy),*

*Marissa Hadfield (Academy School District 20, Colorado),*

*Matthew Sievers, Justin Raynor (United States Air Force Academy)*

## **Paper Session C: ECS 124, 3:15 pm to 4:45 pm**

Student Behaviour in Unsupervised Online Quizzes: A Closer Look

*Larry Yueli Zhang, Arash Gholami (University of Toronto)*

Drop-In Help Centres: An Alternative to Office Hours

*Jennifer Campbell, Michelle Craig (University of Toronto)*

Insights from the Application of Universal Design Principles  
to Support English Language Learners

*Meghan Allen, Celina Berg, Jessica Q. Dawson, Neil Leveridge  
(University of British Columbia)*

## **Nelson Focus Group: ECS 104, 12:30 pm to 1:30 pm**

## **Pearson Canada, Higher Education: ECS 104, 4:00 pm to 4:45 pm**

## **WCCES AGM: ECS 125, 5:00 pm to 5:30 pm**

The Western Canadian Computing Education Society's AGM is held at the same date and location as WCCCE.

## **Conference Reception: University Club, 5:30 pm to 7:00 pm**

Hot and cold hors d'oeuvres & BC wines

# Saturday, May 5

**Welcome back: ECS 125, 9:00 am to 9:15 am**

**Paper Session D: ECS 124, 9:15 am to 10:45 am**

A Simple PHP MVC Framework for Web Development Courses  
*Arnold Rosenbloom (University of Toronto)*

Lightweight Strategies for Inclusive Teaching  
*Jacqueline Smith (University of Toronto)*

An Experience Report on Practical Examinations  
*Jamie McKee-Scott, Gladys Monagan (Langara College)*

“Hour of Code” with Virtual Reality  
*Jason Madar (Langara College)*

**Paper Session E: ECS 125, 9:15 am to 10:45 am**

Exam Wrappers: Not a Silver Bullet  
*Michelle Craig (University of Toronto),  
Ben Stephenson (University of Calgary),  
Daniel Zingaro, Elaine Huynh (University of Toronto)*

Designing an Introductory Programming Course  
to Improve Non-Major’s Experiences  
*Jessica Q. Dawson, Meghan Allen, Alice Campbell, Anasazi Valair  
(University of British Columbia)*

An Experience Using On-Computer Programming Questions During Exams  
*Ben Stephenson (University of Calgary)*

**Closing Presentation: ECS 125, 11:15 am to noon**

SIGCSE Filk Circle: CS Parody Songs for Learning, Engagement, and Fun  
*Steve A. Wolfman (University of British Columbia),  
Patrick Virtue (University of California, Berkeley),  
John P. Dougherty (Haverford College)*