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)