THOMPSON RIVERS UNIVERSITY

WCCCE 2016 Program — Friday: May 6, 2016

8:00 – 9:00	*REGISTRATION AND CONTINENTAL BREAKFAST* (IB Foyer)	
9:00 – 9:15	IB 1020	**Opening Welcome: Dr. Alan Shaver (TRU President & Vice-Chancellor)**
9:15 – 10:15	IB 1020	**Keynote Speaker: DR. DAN GARCIA (University of California, Berkeley)** **Transforming High School Computer Science: The Beauty and Joy of Computing (BJC)**
10:15 – 10:35	*NUTRITION BREAK 1* (IB Foyer)	
10:35 – 12:35	IB 1020	**WORKSHOP: AP CS Principles and the Beauty and Joy of Computing Curriculum** **DR. DAN GARCIA** (University of California, Berkeley)
12:35 – 14:00	*LUNCH* (IB Foyer)	

14:00 – 15:00	**Session 1A (IB 1020) – Chair: Paul Franklin**	**Session 1B (IB 1015) – Chair: Dr. Don Acton**
14:00 - 14:20	*Employable Skills of Information Technology Graduates in the Philippines* Rex Bringula and Roselle Basa (University of the East, Philippines); Alexander Balcoba (University of the East-Manila, Philippines)	*A Proposal of Undergraduate Curriculum to Include Research Under the Experiential Learning Framework* Herbert H. Tsang (Trinity Western University, Canada); Andrew Park (Thompson Rivers University, Canada)
14:20 – 14:40	*Code Protection: When Abstinence is not an Option* John Aycock (University of Calgary, Canada)	*Measuring the Difficulty of Test Items in Computing Science Education* Mila Kwiatkowska (Thompson Rivers University, Canada)
14:40 – 15:00	*Unix Literacy for First-Year Computer Science Students* Tyson Kendon and Ben Stephenson (University of Calgary, Canada)	*Using NFC-based Apps to Revitalize an Aboriginal Language* Haytham El Miligi, Gloria Ramirez and Patrick Walton (Thompson Rivers University, Canada)
15:00 – 15:20	*NUTRITION BREAK 2* (IB Foyer)	

15:20 – 16:20	**Session 2A (IB 1020) – Chair: Dr. Andrew Park**	**Session 2B (IB 1015) – Chair: Dr. Mila Kwiatkowska**
15:20 – 15:40	*Study Strategies and Exam Grades in CS1* Yoann Monteiro (University of Toronto, Mississauga, Canada); Hanna Yakymova (University of Toronto, Canada); Daniel Zingaro (University of Toronto, Mississauga, Canada)	*Multi-Engine Machine Translation of Technical E-Contents from English to Hindi: Evaluated by F&A* Pankaj K. Goswami (Amity University Uttar Pradesh (AUUP)-India, India)
15:40 – 16:00	*TrAcademic: Experiences With Gamified Practical Sessions for a CS1 Course* Brian Harrington (University of Toronto, Scarborough, Canada)	*Experiences in Constructing a MOOC Specialization* Kenny Wong (University of Alberta, Canada)
16:00 – 16:20	*Incorporating Multidisciplinary Emerging Areas in CS Curriculum: the Pedagogical Challenges* Waqar Haque (University of Northern British Columbia, Canada)	*Ten Years of Capstone Projects at Okanagan College: A Retrospective Analysis* Youry Khmelevsky (Okanagan College, Canada)
17:00 – 20:00	*WINE AND CHEESE RECEPTION* (Mountain Room, Campus Activity Centre)	

WCCCE 2016 Program — Saturday: May 7, 2016

8:00 – 9:00	*REGISTRATION AND CONTINENTAL BREAKFAST* (IB Foyer)	
9:00 – 9:15	IB 1020	**Opening Welcome: Brian Mackay (Associate VP, IT Services & CIO)**
9:15 – 10:15	IB 1020	**Keynote Speaker: RICK SUTCLIFFE (Trinity Western University, Canada)** **Closing the Cyber Barn Door Re-prioritizing Safety, Security, Reliability**
10:15 – 10:35	*NUTRITION BREAK 1 (IB Foyer)*	
10:35 – 11:35	**Session 3A (IB 1020) – Chair: Dr. Musfiq Rahman**	**Session 3B (IB 1015) – Chair: Dr. Patricia Lasserre**
10:35 – 10:55	*Auto-Generating Publication-Quality Circuit Schematics Using Open Technologies* Azam Beg (UAE University, UAE)	*Ranking in Professional Sports: An Application of Linear Algebra for Computer Science Students* Charles Hepler, Pamini Thangarajah and Peter Zizler (Mount Royal University, Canada)
10:55 – 11:15	*slideDeck.js: A Platform for Generating Accessible and Interactive Web-Based Course Content* Miles Thorogood (University of British Columbia, Canada)	*Engagement and Sustainability in a Data Structure Course in C for Non-Specialists* Edwin Knorr (University of British Columbia, Canada); Christopher Thompson (British Columbia Institute of Technology, Canada)
11:15 – 11:35	*Massive Online Course for Deaf and Dumb People* Pooja Gupta and Shahnaz Fatima (Amity University, India)	*Impact of Software Usage on Fundamental Engineering Courses* Ehsan Ahmed and Musfiq Rahman (Thompson Rivers University, Canada)
11:35 – 12:35 **(IB 1020)**	**PANEL DISCUSSION: IT2017 Report** Brenda Byers (ACM/IEEE-CS IT2017 & CIPS), Bill Paterson & Charles Hepler(Mount Royal University, Canada)	
12:35 – 14:00	*LUNCH (IB Foyer)*	
14:00 – 15:00	**Session 4A(IB 1020) – Chair: Dr. Haytham El Miligi**	**Session 4B (IB 1015) – Chair: Dr. Diana Cukierman**
14:00 – 14:20	*A New Paradigm for Teaching Mobile Application Development* Youry Khmelevsky (Okanagan College, Canada); Volodymyr Voytenko (Sheridan College Institute of Technology and Advanced Learning, Canada)	*A Flexible Learning Framework for Kids* Gregory Petersen, Steven Lyall and Musfiq Rahman (Thompson Rivers University, Canada)
14:20 – 14:40	*Using Mobile and Web Technologies to Collect and Analyze Emotion Survey Data* Steven Lyall, Haytham El Miligi and Catherine Ortner (Thompson Rivers University, Canada)	*BitFit: If you build it, they will come!* Anthony Estey, Anna Russo Kennedy and Yvonne Coady (University of Victoria, Canada)
14:40 – 15:00	*Interpolation based Reversible Data Hiding Scheme for Digital Images* Singara Singh Kasana and Pankaj Garg (Thapar University, India)	*From buds to Bloom's: A proposal for growing strong students* Celina Berg (University of British Columbia, Canada)
15:00 – 15:20	*NUTRITION BREAK 2 (IB Foyer)*	
15:20 – 16:00 **(IB 1020)**	**WESTERN CANADIAN COMPUTING EDUCATION SOCIETY (WCCES) AGM**	
16:00 – 16:30 **(IB 1020)**	**CONCLUDING REMARKS: Dr. Surinder Dhanjal (Conference Chair)** **CLOSING CEREMONY: Dr. Tom Dickinson (Dean, Faculty of Science)**	