UNIVERSITY OF VICTORIA

Name: BERG, Celina (previously GIBBS)

Faculty: Engineering   Department/School: Computer Science

1.   Degrees and Diplomas

BSc	Computer Science	University of Victoria	2005

MSc   Computer Science   University of Victoria   2006
Sustainable System Infrastructure and Big Bang Evolution: Can Aspects keep pace?

PhD   Computer Science   University of Victoria   2011
Building a foundation for the future of software practices within the multi-core domain.

2.   Positions Held Prior to Appointment at University of Victoria
Assistant Teaching Professor – Limited Term, University of Victoria (2013-2015)
Instructor 1 – Tenure Track, University of British Columbia (2015-2018)

3.   Major Field(s) of Scholarly or Professional Interest
Computer Systems and Software Engineering

4.   Memberships and Offices Held in Learned and Professional Societies (include dates)

5.   Scholarships, Fellowships, Honours and Awards (include dates)
2017 – Faculty Teaching Award, Computer Science Department, UBC
2013 – Consulate General of Canada/Johnson & Johnson Cognition Challenge ($50,000)
2008 – Grace Hopper Celebration travel scholarship ($1000)
2008 – Anita Borg Scholarship ($5,000)
2008 – BCNet Programming Challenge semi-finalist (not monetary)
2007 – NSERC Alexander Graham Bell Canada Graduate Scholarship ($105,000)
2007 – University of Victoria President's Scholarship ($2,000)
2007 – Symposium on Operating Systems Principles (SOSP) travel scholarship ($700)
2007 – BC Government Student Led Research Grant ($1,500)
2007 – NSERC-Pacific Discretionary Grant for ACCESS Project ($4,200)
2006 – University of Victoria Fellowship ($15,000)
2005 – University of Victoria Fellowship ($10,000)
2004 – NSERC Undergraduate Scholarship Research Award ($4,500)

6.   **Appointments at University of Victoria**

    a.   Academic

| 2018-present | Assistant Teaching Professor | Faculty of Engineering |

    b.   Administrative

| Inclusive Years | Title | Academic Unit |

7.   **Scholarly and Professional Achievements**

    a. Articles Published in Refereed Journals

- Carruthers, S., Milford, T., Coady, Y., Gibbs, C., Gunion, K., Stege, U., Teaching Problem Solving and Computer Science in the Schools: Concepts and Assessment, Pacific CRYSTAL Center for Science, Mathematics, and Technology Literacy: Lessons Learned, Sense Publishers, 2011.

- Haupt, M. and B. Adams, S. Timbermont, C. Gibbs, Y. Coady, R. Hirschfeld, Disentangling Virtual Machine Architecture, in Special Edition of the IET (Institution of Incorporated Engineers) Journal on Domain-Specific Aspect Languages, Volume 3 Issue 3, pp 201-218, Jun. 2009.

- Gibbs, C. and Y. Coady, Dynamic Patient Care with PHACTS, in Journal on Information Technology in Healthcare, Volume 6 Issue 2, pp 103-113, Apr. 2008.

- Andrea, C., Y. Coady, C. Gibbs, J. Noble, J. Vitek, T. Zhao, STARS: Scoped Types and Aspects for Real-Time Systems, Real-Time Systems, Volume 31-1, pp 1-44, Oct. 2007.

- Liu, R. and C. Gibbs, and Y. Coady, Safe and Sound Evolution with SONAR: Sustainable Optimization and Navigation with Aspects for System-Wide Reconciliation, Transactions on Aspect-Oriented Software Development (Springer), Special Issue on Aspect-Oriented Programming and Development for Software Evolution, 2007.

    b. Books, Chapters, Monographs

    c. Other Publications

- Acton, D. and Berg, C., Workshop on Electronic Grading (workshop), The 23rd Western Canadian Conference on Computing Education (WCCCE), May 2019.

- Allen, M., Berg, C., Dawson, J. and Leveridge, N., Insights from the Application of Universal Design Principles to Support English Language Learners, in the Proceedings of The 22nd Western Canadian Conference on Computing Education (WCCCE), May 2018.

- Berg, C., Integrating web-based programming practice tools with pre-lecture screencasts to enable higher-orders of reasoning within a flipped classroom (poster), Science Education Open House, University of British Columbia, Mar 2017.

- Demello, J., Lin, Y., Rothwell, A., Sangha, J., Yoo, J., Zhu, A. and Berg, C., Negotiation to improve second language acquisition applied to a computer science tutorial (poster), Science Education Open House, University of British Columbia, Mar 2017.

- Berg, C., From buds to Bloom's: A proposal for growing strong students, in the Proceedings of The 21st Western Canadian Conference on Computing Education (WCCCE), May 2016.

- Pucsek, D., Baldwin, J., MacLeod, L., Berg, C., Coady, Y., Salois, M., ICE: Binary analysis that you can see, IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (PACRIM), Aug 2013.

- Kiemele, L., C. Berg, A. Gulliver, Y. Coady, KFusion: Optimizing Data Flow without Compromising Modularity, in the Proceedings of Modularity: AOSD 2013, Mar 2013.

- Harrington, N., A. Rook, C. Berg, N. Singh and Y. Coady, Spring Roo: A Bird's Eye View, in the Proceedings of Modularity: AOSD 2013 – Industry Track, March 2013.

- Bergen, A., D. Pucsek, J. Baldwin, L. MacLeod, C. Berg, M. Salois and Y. Coady, Parallel Perspectives: Reverse Engineering for Generation Multi-X, in the Proceedings of the Seventh International Conference On Broadband and Wireless Computing, Communication and Applications, Victoria, BC, Nov. 2012.

- Berg, C., J. Erickson, L. Kiemele, A. Schröter, A. Gulliver, Y. Coady M. Hoeberechts and C. de Grasse, PREDICT: Parallel Resources for Early Detection of Immediate Causes of Tsunamis, in the Proceedings of the Seventh International Conference On Broadband and Wireless Computing, Communication and Applications, Victoria, BC, Nov. 2012.

- Long, D., C. Gibbs, D. Pucsek, M. Salois, J. Wall, Y. Coady, Visualizing Patterns: A uniform representation of parallel patterns, in Proc. of Conference on Pattern Languages of Programs (PLoP), Oct 2011.

- Singh, N., C. Gibbs, D. Pucsek, M. Salois, J. Wall, Y. Coady, Spinal Tap: High Level Analysis for Heavy Metal Systems, in the Proceedings of the IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (PACRIM) , Victoria, BC, Aug 2011.

- Long, D.K., Kiemele, L., Gibbs, C., Brownsword, A. and Coady, Y., Mind the Gap! Bridging the dichotomy of design and implementation, in the Proceedings of the Fourth International Workshop on Software Engineering for Computational Science and Engineering (SECSE11) held at ICSE`11, May 2011.

- Pucsek, D., Wall, J., Gibbs, C., Baldwin, J., and Coady, Y., ICE: Circumventing Meltdown With An Advanced Binary Analysis Framework, as a Poster in the 1st Workshop on Developing Tools as Plug-ins (TOPI `11) held at ICSE`11, May 2011.

o Gibbs, C. and Coady, Y., Concurrency Conundrums - An Ontological Solution?, in Proceedings of the International Conference on Knowledge Engineering and Ontology Development (KEOD `10) , Oct. 2010.

o Gibbs, C. and Coady, Y., Parallelization and the Application Programmer: Random Self-Oscillation or Old Faithful?, in the Proceedings of the Workshop on Concurrency and the Application Programmer (CAP `10) held at SPLASH `10 , Oct. 2010.

o Chester, S., C. Gibbs, F. Rossi, A. Brownsword, P. So, A. Gulliver, and Y. Coady, Insulating the scientific programmer from perilous parallel architecture, in Proc. of SPLASH 9th Workshop on Parallel/High-Performance Object-Oriented Scientific Computing, Oct. 2010.

o Gibbs, C., and Y. Coady, Understanding abstraction: means of leveling the playing field in CS1?, in Proceedings of SPLASH The Educators' and Trainers' Symposium., Oct 2010.

o Gibbs, C. and Coady, Y., May the Force(s) be With You: A Systematic Approach to Pattern Selection, in Proceedings of the Workshop on Parallel Programming Patterns (ParaPLOP `10), Mar. 2010.

o Gibbs, C., Y. Coady, Joining Forces: A RIPPL Effect? A Constraint-Oriented Perspective on a Pervasive Pattern Language, in Proceedings of the International Conference on Pervasive Patterns and Applications (PATTERNS 2009), Nov. 2009 (23% acceptance rate).

o Gibbs, C., K. Gunion, Y. Coady, On the Codification of Coordination: An Ontological Tool for Pattern Mining, ParaPLoP Workshop on Parallel Programming Patterns, Mar. 2009.

o Gibbs, C., J. Baldwin, N. Singh, M. D'Hondt, Y. Coady, Living with the Law: Can Automation give us Moore with Less?, Short Paper in Proceedings of IEEE/ACM International Conference on Automated Software Engineering (ASE), pp 395-398, Sep. 2008 ([34 long, 36 short]/280 acceptance rate).

o Wong, J., O. Yazir, D. Minifie, C. Gibbs, J. Muzio, Y. Coady, Communicating Like Nemo: Scale-ability from a Fish-Eye View, Google Scalability Conference, Jun. 2008.

o Gibbs, C., Y. Coady, Promoting Natural Selection in System Infrastructure Software, in Proceedings of the Semantic-Based Systems Development workshop held at OOPSLA, Oct. 2007.

o Gunion, K., S. Lonergan, C. Gibbs, and Y. Coady, Dreamcatchers: the future of aboriginal webs in Computer Science, Western Canadian Conf. on Computing Education (WCCCE), May 2008.

o Pearson, C., C. Gibbs, Y.Coady, Intuitive Source Code Visualization Tools for Improving Student Comprehension: BRICS, in Proceedings of the Process in OO Pedagogy - The sixth 'Killer Examples' workshop held at OOPSLA , Oct. 2007.

o Gibbs, C., and Y. Coady, Forest or trees? On the emerging need for software engineering throughout early CS courses, Western Canadian Conf. on Computing Education (WCCCE), May 2007.

o Jackson, L., Y. Coady, C. Gibbs, I. Bull, B. Gorman, M. Zastre, R. Brown, and M. Sanseverino, Problem solving, team work and flowcharts: CS1 goes retro at the University of Victoria, Western Canadian Conf.on Computing Education (WCCCE), May 2007.

o Agah St.Pierre, A., S. Carruthers, Y. Coady, R. Dunn-Krahn, S. Dunn-Krahn, C. Gibbs, G. Gibbs, H. Gibbs, S. Lonergan, J. Proctor, U. Stege, C. Storey, and M.A. Storey, Young minds storming through challenging Computer Science concepts, Western Canadian Conf. on Computing Education (WCCCE), May 2007.

o Singh, N. and C. Gibbs , and Y. Coady. C-CLR: A Tool for Navigating Highly Configurable System Software, in Proceedings of the Workshop on Linking Aspect Technology and Evolution, held at the International Conference on Aspect-Oriented Software Development (AOSD), Mar. 2007.

o Gibbs, C., J. Proctor, Y. Coady. Surrendering to the Need for Speed while Maintaining Visibility in Adverse Code Conditions, in Proceedings of the Workshop on Linking Aspect Technology and Evolution, held at the International Conference on Aspect-Oriented Software Development (AOSD), Mar. 2007.

o Gibbs, C., Y. Coady, Dynamic Patient Care with PHACTS, in Proceedings of the International Conference addressing Information Technology and Communications in Health (ITCH) , Feb. 2007.

o Gibbs, C., D. Lohmann, C. Lui, Y. Coady, Modular Integration through Aspects: Making Cents of Legacy Systems, in Proceedings of the Clinical Process and Data Integration and Evaluation held at the Hawaii International Conference on System Sciences, Jan. 2007.

o Gibbs, C., Y. Coady, M. Haupt, J. Vitek and H. Yamauchi, Towards a Domain Specific Aspect Language for Virtual Machines, in Proceedings of the Domain Specific Aspect Languages (DSAL) Workshop, held at the ACM Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA), Oct. 2006.

o Andreae, C. and Y. Coady, C. Gibbs, J. Noble, J. Vitek and T. Zhao, STARS: Scoped Types and Aspects for Real-Time Systems, in Proceedings of the European Conference on Object-Oriented Programming (ECOOP), pp 124-147, Jul. 2006 (13%, 21/164 acceptance rate).

o Gibbs, C., STARS: Scoped Types and Aspects for Real-time Systems, in Proceedings of the Graduate Innovation Forum - UVic Engineering Research , Apr. 2006.

o Gibbs, C., Y. Coady, J. Vitek, T. Zhao, J. Nobel, and C. Andreae, It is Time to Get Real with Real-Time: How Can Aspects, Patterns and Tools Help?, in Proceedings of the Workshop on Aspects, Components and Patterns for Infrastructure Software, held at the International Conference on Aspect-Oriented Software Development (AOSD) , Mar. 2006.

o Coady, Y., and C. Gibbs, Hey! You've got your Aspects in my undergraduate curriculum, in Proc. of AIT Workshop, held at the the International Conference on Aspect-Oriented Software Development (AOSD), Mar. 2006.

o Gibbs, C., Y. Coady, Making Real-Time Abstractions Concrete with Aspects, in Proceedings of the Workshop on Java Technologies for Real-time and Embedded Systems (JTRES), held at the International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA), Oct. 2005.

o Gibbs, C., R. Liu, Y. Coady, Scalable System Infrastructure and Big Bang Evolution: Can aspects keep pace?, in Proceedings of the European Conference on Object-Oriented Programming (ECOOP), pp 241-261, Jul. 2005 (14%, 24/174 acceptance rate).

o Gibbs, C., R. Liu, Y. Coady, And the Band Played On: Are Aspects Adrift in a Sea of Sinking Code?, in Proceedings of the Workshop on Linking Aspect Technology and Evolution (LATE) Workshop held at the International Conference on Aspect-Oriented Software Development (AOSD) , Mar. 2005.

o Liu, R., C. Gibbs, Y. Coady. SONAR: System Optimization and Navigation with Aspects at Runtime, in Proceeding of the Dynamic Aspects Workshop, held at the International Conference on Aspect-Oriented Software Development (AOSD), Mar. 2005.

o Gibbs, C., and Y. Coady, OASIS: organic aspects for system infrastructure software easing evolution and adaptation through natural decomposition, in Proceedings of the Hawaii International Conference on System Sciences (HICSS), Jan. 2005.

o Gibbs, C., Y. Coady, SAUSI: System Aspects for Uniformity in Software Infrastructure, in Proceedings of International Conference on Software and Systems Engineering and their Applications (ICSSEA), Dec. 2004.

o Liu, R., C. Gibbs, Y. Coady, MADAPT: Managed Aspects for Dynamic Adaptation using Profiling Techniques, in Proceeding of Reflective Middleware Workshop held at the Middleware Conference, Oct. 2004.

o Stampflee, O., C. Gibbs, Y. Coady, RADAR: Really low-level Aspects for Dynamic Analysis and Reasoning, in Proceedings of the Programming Languages and Operating Systems (PLOS) Workshop held at the European Conference on Object-Oriented Programming (ECOOP), Jul. 2004.

o Gibbs, C., Y. Coady, OASIS: Organic Aspects for System Infrastructure Software, in Proceeding of the Workshop on Reflection AOP and Metadata for Software Evolution Workshop, held at the European Conference on Object-Oriented Programming (ECOOP), pp 42-52, Jul. 2004.

- o Gibbs, C., Y. Coady, Garbage Collection in Jikes: Could Dynamic Aspects Add Value, in Proceedings of Dynamic Aspects Workshop (DAW), held at the International Conference on Aspect-Oriented Software Development (AOSD), Mar. 2004.

d. Papers, Lectures, Addresses
- o (Aug 2020) Presentation – Berg, C., "CSC 110 – Online offering", From Stress to Success Speaker Series, Faculty of Engineering and Division of Learning and Teaching Support and Innovation - University of Victoria.

- o (Aug 2020) Presentation – Berg, C., "Adding points of synchronization to asynchronous content delivery", Let's Talk About Teaching 2020, Division of Learning and Teaching Support and Innovation - University of Victoria.

- o (Nov 2019) Panelist – "Mentoring of Faculty and Graduate Students", ACM Canadian Celebration Of Women In Computing (CAN-CWIC)

- o (May 2019) Co-presenter – Acton, D. and Berg, C., "Workshop on Electronic Grading", The 23rd Western Canadian Conference on Computing Education (WCCCE).

- o (Oct 2018) Presentation – Berg, C., Mahmood, F., "Bridging the Gap for At-Risk Cohorts: Experimenting with English Language Learners", SPLASH-E (held in conjunction with conference on Systems, Programming, Languages and Applications: Software for Humanity (SPLASH)).

- o (May 2018) Co-presenter – Berg, C., Mahmood, Fatimah., "English language meets programming language in an introductory computer science course" (workshop), The 14th Annual Learning Conference – Creating Space for Learning, UBC-Okanagan.

- o (May 2018) Co-presenter – Allen, M., Berg, C., Dawson, J. and Leveridge, N., "Insights from the Application of Universal Design Principles to Support English Language Learners", in the Proceedings of The 22nd Western Canadian Conference on Computing Education (WCCCE), May 2018.

- o (May 2017) Presentation – Berg, C., "Technological Advances Driving the Evolution of Teaching Practices. Do These Practices Work?", The 13th Annual Learning Conference – Engaging Every Learner, UBC-Okanagan.

- o (Mar 2017) Poster Presentation – "Integrating web-based programming practice tools with pre-lecture screencasts to enable higher-orders of reasoning within a flipped classroom", Science Education Open House, University of British Columbia.

- o (Mar 2017) Poster Presentation – co-presented with Undergraduate Teaching Assistants (UTAs), "Negotiation to improve second language acquisition applied to a computer science tutorial", Science Education Open House, University of British Columbia.

- o (May 2016) Presentation – Berg, C., "From buds to Bloom's: A proposal for growing strong students", in the Proceedings of The 21st Western Canadian Conference on Computing Education (WCCCE), May 2016.

e. Professional Activities
- o (2021, 2017) Program Committee Member, SPLASH-E (held in conjunction with conference on Systems, Programming, Languages and Applications: Software for Humanity (SPLASH)).
- o (Sep-Dec 2021) Organizer, weekly programming-practice events for CS1 students
- o (Sep 2021) volunteer, Java Bootcamp week for CS2 students
- o (May 2021) Program review, DIGITAL Design + Development Post Graduate Diploma, North Island College.
- o (Mar 2021) podcast interviewee, Dr. Rebecca Gagan, UVic Bounce: [recording](#)
- o (Dec 2019) External Examiner, Felicia Halliday thesis defense, "Cops, Robbers, and Pre-Calculus Skills", Master's of Science in the Department of Mathematics and Statistics.
- o (Nov 2019) Session Chair, STOKED Workshop (Spatio-Temporal Observations and Knowledge on Earth Data) held in conjunction with conference on Systems, Programming, Languages and Applications: Software for Humanity (SPLASH)
- o (Oct 2019) Presenter, recruiting talk to Engineering Transfer students held at University of Fraser Valley, UVic Faculty of Engineering.
- o (Sep 2019) Panelist, New Student Welcome, UVic Faculty of Engineering.
- o (Sep-Dec 2019) Organizer, weekly programming-practice events for CS1 students
- o (2017-2018) Advisory Board Member, Tapestry: Enabling Interactive, Remixable, Reusable, and Extensible Open Educational Modules. Principal Investigator: Stephen Barnes, UBC, Large Teaching and Learning Enhancement Fund (TLEF) Grant.
- o (2018) Program Co-Chair, Western Canadian Conference on Computing Education (WCCCE).
- o (Mar 2018) Panelist, CS Meet and Greet, hosted by Committee on Diversity and Equity (CODE), UBC Computer Science Department.
- o (Mar 2018) Faculty co-representative, Meet your Major, UBC Faculty of Science.
- o (Jan 2018) Panelist, Career Panel Night, UBC Women in Science (WiS).
- o (2018, 2017) Reviewer, UBC Multidisciplinary Undergraduate Research Conference (MURC).
- o (Oct 2017) Faculty representative, Vantage Applied Science UBC-O field trip, Vantage College.
- o (2017) Mentor, UBC Women in Science (WiS) Mentorship program.
- o (2017) Mentor, UBC Residence Life Mentorship program.
- o (2017) Chair, Vantage Capstone Conference. A yearly two-day conference to showcase student projects from Arts, APSC, Science and Management streams.

- o (2017) Presenter, Meet a Prof, Imagine Day, UBC Faculty of Science.
- o (2017, 2016, 2015) Co-presenter, Meet a Prof, Imagine Day, Vantage Applied Science, Vantage College.
- o (2017) Learning Community Faculty Fellow, JumpStart Student Orientation, UBC First Year Experience.
- o (Aug 2017) Panelist, JumpStart Prof Talks, UBC First Year Experience.
- o (Aug 2017) Panelist, JumpStart Advising Session, Vantage College.
- o (Mar 2017) Judge, BizHacks: case-competition/hackathon with collaborative teams of business and computer science students, Sauder School of Business, UBC.
- o (Feb 2017) Panelist, STEM high-school career fair, Opening the Door, Science World, Vancouver, BC.
- o (2017) Co-participant, Community of Inquiry (COI) Self-Regulated Learning (SRL) into the classroom setting.
  Community: 5 instructors from Math, Biology and Computer Science
  Project Lead: Silvia Mazabel, PhD Student, Educational & Counselling Psychology & Special Education
- o (2017, 2016) Reviewer, ACM Technical Symposium on Computing Science Education (SIGCSE).
- o (2017, 2015, 2013) Reviewer, Journal of Supercomputing, High performance Computer Design, Analysis and Use, Springer Journals.
- o (2017, 2013) Reviewer, IEEE Pacific Rim Conference on Communications, Computers and Signal Processing.
- o (Oct 2016) Panelist, *Lunch and Learn for female CS and prospective CS students*, Focus on Women in Computer Science/Committee on Diversity and Equity.
- o (Mar 2016) Panelist, *Women in Tech Panel*, Focus on Women in Computer Science.
- o (Mar 2016) Panelist, *Meet your Major*, Faculty of Science.
- o (2016, 2015) Faculty co-representative, Vantage TA Orientation/Training.
- o (2014) Co-reviewer, ACM Modularity Aspect-Oriented Software Development.

Education Conference/Workshop attendance for professional development:

International

o (2019, 2018) attendee, SPLASH-E Symposium held at ACM SIGPLAN conference on Systems, Programming, Languages, and Applications: Software for Humanity (SPLASH)

o (2017, 2016) ACM Technical Symposium on Computing Science Education (SIGCSE).

o (2013) Gender Summit, Diversity Fueling Excellence in Research and Innovation.

National

o (Apr 2021) webinar, "Working with a Culture of Academic Integrity in the Classroom", Dr. Sarah Eaton, hosted by UVic Division of Learning and Teaching Support and Innovation.

o (Jan 2021) webinar, "Women in physics: Untold stories, the elephant in the room, and challenging the status quo", Dr. Rowan Thomson, hosted by Carleton University.

o (Nov 2020) presentation, "2020 Herzberg Lecture: Improving Diversity in Computer Science at All Levels", Dr. Maria Klawe, hosted by Carleton University.

o (Jul 2020) Webinar, "Equity, Diversity and Inclusion in Computer Science Research", CS-Can|Info-Can.

o (2019) ACM Canadian Celebration Of Women In Computing (CAN-CWIC)

o (2019, 2018, 2017, 2016, 2008, 2007) Western Canadian Conference on Computing Education (WCCCE).

o (2018, 2017) Annual Learning Conference, University of British Columbia – Okanagan.

Local

o (Oct 2021) certificate completion - Increasing Equity in Decision Processes, EQHR - University of Victoria.

o (Sep 2021) certificate completion - Connect Site Administrator, University Systems - University of Victoria.

o (Apr 2020) "Workshop – Online Exams and Assessments", Division of Learning and Teaching Support and Innovation - University of Victoria.

o (Oct 2019) "Workshop – Making assessment enjoyable: Is that possible?", Division of Learning and Teaching Support and Innovation - University of Victoria.

o (Feb 2019) "Workshop – Refining the teaching dossier: Wrapping it all up.", Division of Learning and Teaching Support and Innovation - University of Victoria.

- o (Aug 2017) "First Year Education & Experience Forum", Karen Smith, Patty Hambler, Kari Marken, Neil Armitage, UBC First Year Experience.

- o (Sep 2017) "Impact Assessment of Science Education Initiatives: What Strategies Have Worked, and Which Will Support Continued Improvements of Science Education at all Levels?", Francis Jones, EOAS and Ashley Welsh, Skylight & CTLT, UBC Science Education Supper Series.

- o (Feb 2017) "Classroom group-work workshop", Barish Golland, UBC Vantage College.

- o (Mar 2017) "Modernizing Laboratory Teaching in 2nd Year Chemistry laboratories", José Rodríguez Núñez and Jason Wickenden, UBC Science Education Supper Series.

- o (Feb 2017) "Out of the file drawer and into the world: Start your students writing for Wikipedia", Rosemary J. Redfield and Judy Chan, UBC Science Education Supper Series.

- o (Jan 2017) "Making (and Measuring) Connections: Adventures in Interdisciplinary Teaching and Learning", Chris Addison and James Charbonneau, UBC Science Education Supper Series.

- o (Nov 2015) "Lunch and Learn: Experiential Learning – Exploring the Possibilities", UBC Vantage College.

- o (Oct 2015) "Demystifying Learning Analytics: Potential for the UBC Faculty of Science", Noureddine Elouazizi, Leah Macfadyen and Gillian Gerhard, UBC Science Education Supper Series.

- o (Sep 2015) "A worksheet-focused approach to facilitate a classroom with diverse levels of preparation", Georg Rieger and Joss Ives, UBC Science Education Supper Series.

8. Teaching Duties at the University of Victoria

a. Courses Taught

*Class size taken at add/drop date

Session	Course Number	Class Size	Total Hours Taught per Course	
			Lectures	Office Hours
202109	CSC 110 (2 sections)	396	72	74
202105	CSC 110	129	36	39
202105	CSC 115	166	36	39
202101	CSC 111	112	36	56
202009	CSC 110 (2 sections)	396	72	56
202005	CSC 110	93	36	70
202001	CSC 111	111	36	28
202001	CSC 115	193	36	28
201905	CSC 110	70	36	26
201905	CSC 115	96	36	26
201901	CSC 115	156	36	26
201901	CSC 106	170	36	26
201505	SENG 310	54	36	26
201501	CSC 110	193	36	26
201501	SENG 310	76	36	26
201501	CSC 106	192	36	26
201409	CSC 116	54	36	36
201409	CSC 115	106	36	26
201405	SENG 310	45	36	26
201401	CSC 305	45	36	26
201309	CSC 167	101	36	26
201305	SENG 310	33	36	26
201301	SENG 310	55	36	26
201309	CSC 110	143	36	26
201209	CSC 110	111	36	26

b. Courses Taught at UBC

NOTE: (V) indicates courses taught in Vantage College

Session	Course Number	Class Size	Total Hours Taught per Course		
			Lectures	Tutorials	Office Hours
2018S	CPSC 213	107	39		26
2017W2	CPSC 110 (V)	51	36		32
2017W2	CPSC 213	160	36		34
2017W1	APSC 160 (V)	89	24	26	26
2017S	CPSC 110	182	52		26
2016W2	CPSC 110 (V)	60	36		36
2016W2	SCIE 113 (V)	22	30		26
2016W1	APSC 160 (V)	84	24		26
2016W1	CPSC 110	274	37.5		36
2016S	CPSC 110	186	52		26
2015W2	CPSC 110 (V)	30	36		26
2015W1	CPSC 110	183	35		26
2015W1	APSC 160 (V)	37	24		13

c. Undergraduate Student Supervision

- o (Sep-Dec 2021) Co-supervisor, Kezia Devathasan, Interdisciplinary Project
- o (May-Aug 2021) Co-supervisor, Kezia Devathasan, NSERC USRA

d.   Graduate Student Supervision

9.   Administrative Activities
a.   University and Faculty Committees (include dates)
- o (Jun 2020 – July 2020) member, Faculty Teaching Award Selection Committee
- o (Nov 2019 – June 2020) member, Associate Dean Undergraduate Programs Search Committee
- o (Dec 2019) Engineering Faculty Representative, Senate Curriculum Committee meeting for Cycle 1 Calendar changes.
- o (Oct 2019) Participant, usability study of new account monitoring plugin for FAST
- o (Aug 2019) Participant, usability study of redesigned uvic.ca website

b.   Department/School Committees and Responsibilities (include dates)
at UVic:
- o (2019 – present) Chair, CSC Curriculum Committee
- o (2019 – present) member, ARPT Committee
- o (2019 – present) member, CSC Executive Committee
- o (2019 – present) Outreach, Recruitment and Retention Coordinator
- o (Jan–July 2021) member, Assistant Teaching Professor Hiring/Procedures Committee
- o (2021) coordinator, department CS Education Reading group
- o (2019, 2021) peer evaluator, faculty teaching evaluations (1 per year)
- o (Mar–Dec 2020) coordinator, Online-Teaching working group
- o (2019 – 2021) created/invigilated/graded CSC110 challenge exam (1-2 times a year)
- o (Jul 2020) member, CSC Advisor hiring committee
- o (Jul 2020) member, Senior Lab Instructor hiring committee

at UBC:
- o (2015 – 2018) member, UBC Computer Science Undergraduate Operations Committee (UGO).
- o (2016 – 2018) member, Sessional/Lecturer Hiring Committee.
- o (2016 – 2018) Chair, Vantage College Academic Outreach Committee (V-AOC)
- o (2015 – 2018) member, Vantage College Curriculum Committee, Science
- o (2015 – 2018) member, Vantage College Curriculum Committee, Applied Science
- o (2016) member, UBC Computer Science Merit Committee

10. Other Information

a. Griants

- o 2018   UBC Skylight Development Grant, APSC 160   ($9,400)
- o 2017   CWSEI funding, tool development for APSC 160   ($4,500)
- o 2016   CWSEI funding, tool development for APSC 160   ($7,500)