



Brief Curriculum Vitae for Stephen Petrina

URL: blogs.ubc.ca/petrinacy

Date: 3 March 2022

Initials:

1. SURNAME: Petrina

FIRST NAME: Stephen

2. DEPARTMENT: Curriculum and Pedagogy

SPECIALIZATION: Media & Technology Studies
 Science & Technology Studies
 Design and Technology
 Educational Technology
 STEM

3. FACULTY: Education

4. PRESENT RANK: Professor SINCE: 1 July 2007

5. POST-SECONDARY EDUCATION

University or Institution	Degree	Subject Area	Dates
University of Maryland, College Park, MD.	PhD	Education Policy and Planning	1994
University of Maryland, College Park, MD.	MA	Technology Studies	1990
California University of Pennsylvania	BS	Education	1984

6. EMPLOYMENT RECORD

(a) Prior to coming to UBC

University, Company or Organization	Rank or Title	Dates
North Carolina State University, Department of Math, Science and Technology Education, College of Education and Psychology, Raleigh, NC	Assistant Professor	1994-1995
North Carolina State University, Department of Math, Science and Technology Education, College of Education and Psychology, Raleigh, NC	Instructor	1993-1994
University of Maryland, Department of Technology Education, College Park, MD.	Teaching Assistant	1992-1993
Smithsonian Museum of American History, Washington, DC, Science in American Life Project.	Research Intern	1991-1992
University of Maryland, Department of Technology Education, College Park, MD.	Instructor Teaching Assistant	1989-1990 1987-1989

(b) At UBC

Rank or Title	Dates
Assistant Professor	1996 (1 January) - 2001 (30 June)
Associate Professor	2001 (1 July) - 2007 (30 June)
Professor	2007 (1 July) - Present

(c) Date of granting of tenure at UBC: 1 July 2001

ADMINISTRATION

7. ADMINISTRATIVE APPOINTMENTS

(a) *Administrative Appointments At UBC*

Administration	Dates
Curriculum Area Coordinator / Chair (Media & Technology Studies)	July 1996- December 2011, 2014-
Graduate Coordinator	June 2007- September 2009
Deputy Head	June 2007- September 2009
External Program Coordinator: Digital Learning & Curriculum cohort	July 2015 -

(b) *Directorships*

Unit	Dates
Co-Director, Institute for Critical Education Studies http://blogs.ubc.ca/ices	October 2010-present

(c) *Course Coordination* = 16 courses

TEACHING, MENTORING, AND GRADUATE SUPERVISION

8. TEACHING

(a) *Areas of special interest and accomplishments*

(b) *Teaching Awards* (Killam Teaching Award Nominations = 3)

(c) *Courses Taught at UBC* = 88

(d) *Courses Developed at UBC*

Example Courses

Course Titles	Dates
EDCP 508 Review of Research in Cognition, Emotion and Technology: How We Learn (Technology Across the Lifespan) http://blogs.ubc.ca/howwelearn	2005
EDCP 508 Review of Research in Learning Technologies, New Media and the Learning Sciences http://blogs.ubc.ca/howwelearn	2007
EDCP 508 Seminar on Bruno Latour and Science & Technology Studies (STS)	2009
EDCP 562 Curriculum Studies http://blogs.ubc.ca/howwelearn	July 1996- Present
EDCP 571 History of Media & Technology in Education http://blogs.ubc.ca/etec	July 1996- Present
EDCP 601 Doctoral Seminar: History & Theory	2004-2005
EDCP 481 Media Studies http://blogs.ubc.ca/etec	2010 - Present
ETEC 511 Foundations of Educational Technology http://blogs.ubc.ca/etec	2008- Present
ETEC 531 Cultural & New Media Studies http://blogs.ubc.ca/etec	2000- Present
EDCP 473 Digital Media and ICT: Ethical Uses http://blogs.ubc.ca/etec	2014- Present
EDCP 501 Bruno Latour & STS http://blogs.ubc.ca/msts/	2013
EDCP 585 Fieldwork in Actor-Network Theory http://blogs.ubc.ca/msts/	2014
EDUC 500 Research Methodologies http://blogs.ubc.ca/educ500	2015- Present
EDCP 473, 477 + EDUC 450 http://blogs.ubc.ca/dandt/	2014- Present

EDCP 508 21st Century Learning (Theories & Methods) http://blogs.ubc.ca/etec	2015
EDCP 601 Doctoral Seminar in Curriculum and Pedagogy: History and Theory http://blogs.ubc.ca/edcp601a/	2015- Present
EDCP 510 Video Ethnography: Culture, Technology and Interpretation http://blogs.ubc.ca/msts/	2016- Present
EDCP 570 Seminar in Teaching ICT http://blogs.ubc.ca/msts/	2018- Present
ETEC 531 Cultural & New Media Studies major revision http://blogs.ubc.ca/etec	2019-Present
EDUC 500 Research Methodologies in Education	2021-Present
EDCP 452 Science, Technology and Society	2021-Present
EDCP 562 Curriculum Issues and Theories	2021-Present

(e) *External Graduate Program Cohorts Developed and Hosted*

Cohort Name	Program Type	Year		District	Advisor
		Start	Finish		
1. Digital Learning and Curriculum 3	MEd	2015	2017	Vancouver	Primary Advisor: Petrina Secondary Advisor: MacDowell & Ralph
2. Digital Learning and Curriculum 2	MEd	2012	2014	Vancouver	Primary Advisor: Krug Secondary Advisor: Petrina
3. Digital Learning and Curriculum 1	MEd	2010	2012	Vancouver, Langley	Primary Advisor: Krug Secondary Advisor: Petrina
4. Media and Technology Studies	MEd	2021	2023	Online	Primary Advisor: Code Secondary Advisor: Petrina

(f) *Postdoctoral Students Mentored = 7***9. GRADUATE SUPERVISION & COMMITTEES**(g) *Graduate Students Supervised* (14 PhDs Supervised to Completion) (17 MAs Supervised to Completion) (109 MEds Supervised to Completion)=140 (March 2022)(h) *Graduate Student Committees*= 25 PhD Committees, 28 MA Committees(i) *External Examiner (PhD & MA)*= 34



INFRASTRUCTURE

10. RESEARCH AND TEACHING INFRASTRUCTURE

(a) *Research and Teaching Infrastructure (Physical)*

Date	Facility	Role	Co-developers
Winter 1998- 2004	Digital Studio	Co-Designer	
Winter 2000-present	Design & Technology Lab 1106	Principal Designer	
Summer 2004-present	Cedar Learning Shelter (UBC Farm)	Co- Designer	TSED 414 Students (Service Learning Project)
Summer 2005-present	Cob Learning Shelter (UBC Farm)	Co- Designer	TSED 414 Students (Service Learning Project)
Summer 2005-present	Linux Lab (Scarfe 1106)	Co- Designer	Soowook Kim
Summer 2005-present	How We Learn Lab (Scarfe 1224)	Principal Designer	
Winter 2008-present	Learning Sciences & Technologies Research Lab	Principal Designer	
2012-present	Institute for Critical Education Studies	Co-Director	Sandra Mathison, E. Wayne Ross

(b) *Research and Teaching Infrastructure (Digital / Virtual)* = 16 Blogs and Websites

(c) *Research or Data Workshops and Summer Camps*

Workshop or Camp	Date	Principal Planner and Host	Assistants
Promoting Equity: Women in Technology Education	31 March 2000	Petrina	Marcia Braundy, Yvonne Brown
Inter-University Workshop w/ Hanyang University (Korea)	19 Sept 2006	Petrina	Juyun Kim, Soowok Kim
Node 101 :: CUST	Sept 2006 April 2007	Petrina	Karen Brennan
Summer Camp: Technology Fun 101	8-10, 15-17 July 2008	Petrina	PJ Rusnak, Yifei Wang, Juyun Kim
Summer Camp: Technology Fun 101	20-24, 27-31 July 2009	Petrina	PJ Rusnak, Fared Teja
Summer Camp: Technology Fun 101	18-22, 25-29 July 2011	Petrina	PJ Rusnak, Peter Halim

(d) *Research and Databases*

- a. *Cybrary* (2003-Preset) (Formalized 2013)
 - i. 125,000+ catalogued and searchable files for the HWL project
 - ii. Hierarchical ontology

- b. HWL Tracer Bullets Catalog
 - i. HWL Tracer Bullets are research guides with brief introductions to topics, resources, and general strategies for intellectual direction and staying ‘on target’ (based on the concept at the Library of Congress).
 - ii. 135 Tracer Bullets as of 1 March 2022
 - iii. See also the HWL Mapping, Framing & Typologies Series, HWL Project Culture Series, HWL Primer series, HWL Module & Mini Course Series, and various publications from the HWL team.

SERVICE & ENGAGEMENT

11. SERVICE TO THE UNIVERSITY *see also Administrative Appointments above

(a) Memberships on committees, including offices held and dates (2015-Present)

2021-2022	Member, President’s Advisory Committee for the Search for a new Dean of Education
2021-2022	Member, Search Committee, Business Education
2019-2020	Member, Department of Curriculum and Pedagogy Teaching Review & Awards Committee
2008-present	Member, Advisory Committee for the Science and Technology Studies program
2015-2019	Member Department of Curriculum and Pedagogy Graduate Advisory Committee
2016-2017	Member, Dean’s Committee for Reimagining the MET program
2015-2106	Member, President’s Advisory Committee for the selection of Head for EDCP
2015-2019	Member Department of Curriculum and Pedagogy Graduate Advisory Committee
2015-2017	Member of Department of Curriculum and Pedagogy Undergraduate Advisory Committee
2015-2018	Member, MET Advisory Committee / MET Executive Committee

12. SERVICE TO THE COMMUNITY

(f) Reviewer (journal, agency, etc. including dates)= 21 Journals

(j) External Assessor (Tenure & Promotion) = 16

(k) TBA



RESEARCH: SCHOLARLY AND PROFESSIONAL ACTIVITIES

1. GRANTS AND CONTRACTS

(a) *Areas of special interest and accomplishments*

(b) *Research or equivalent grants (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC))*

Granting Agency	Subject	COM PETE	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)
TOTAL to DATE = \$2,632,495						
Last Six years						
1. Social Science and Humanities Research Council (Insight Grant)	Philosophy of Media & Technology for Children and Youth	C	\$194,031	2021-2026	Petrina	MacDowell
2. Research Infrastructure Support Services Program	STEM 2020 Conference Support	C	\$8,250	2020	Petrina	Adler, Anderson, Banack, Code, Milner-Bolotin, Nashon, Nichol, & Scott
3. Mitacs Accelerate Program	Case Study Scenarios and Videos for Intercultural Competence Acquisition	C	\$165,000	2019-2022	Petrina	Han & Zhao
4. David F. Robitaille Endowment Fund	STEM 2020: Changing the Story	C	\$11,000	2019-2020	Petrina	Adler, Anderson, Banack, Code, Milner-Bolotin, & Scott
5. Social Science and Humanities Research Council (Partnership)	Scaling-up Social Mobilization on Climate Change with Digital Tools	C	\$199,981	2018-2020	Sheppard	Petrina, et al.
6. Mitacs Accelerate Program	Smart Learning System	C	\$180,000	2016-2018	Petrina	Winne, Ma, Zhao
7. Catalyzing Research Clusters (SSHRC & UBC)	Social Mobilization on Climate Change using Digital Media	C	\$50,000	2016	Sheppard	Cheng, Dulic, Fracchia, Irwin, Kingstone, Petrina, Senbel, Zhao
8. Haagenon Fund, Faculty of Education, UBC	Researchware	C	\$5,694	2016	Petrina	MacDowell & Wang
9. Social Science and Humanities Research Council (Insight Dev.)	The History of the Critique of Media and Technology	C	\$40,033 @ 2 years	2016-	Petrina	

10. Social Science and Humanities Research Council (Insight)	How We Learn Media & Technology: Design & Engineering Cognition	C	\$371,406 @ 5 years	2014-	Petrina	Feng
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2. RESEARCH ETHICS BOARD APPLICATIONS

(e) *Research Ethics Board Applications and Approval = 30*

RESEARCH: AWARDS AND DISTINCTIONS

3. AWARDS

(b) *Awards for Scholarship (indicate name of award, awarding organizations, date)*

Date	Award	Received
2014	CUFA BC Academic of the Year Award (for the scholar-activism of the Institute for Critical Education Studies, co-Directors Sandra Mathison, Stephen Petrina & E. Wayne Ross)	DNR
2012	Founders' Prize for best publication in 2012 awarded by the Canadian History of Education Association (Clark, P., Gleason, M. & Petrina, S. (2012). Preschools for science: The Child Study Centre at the University of British Columbia, 1960-1997. <i>History of Education Quarterly</i> , 52(1), 29-61)	Received
2007	Silvius-Wolansky Award for Outstanding Publication in Technology Education, presented by the Council on Technology Teacher Education and the International Technology and Engineering Education Association (Petrina, S. (2007). <i>Advanced teaching methods for the technology classroom</i> . Hershey, PA: Information Science, Inc.)	Received
2001	Silvius-Wolansky Award for Outstanding Publication in Technology Education, presented by the Council on Technology Teacher Education and the International Technology Education Association (Braundy, M., O'Riley, P., & Petrina, S. with Dalley, S. & Paxton, A. (2000). Missing XX chromosomes or gender in/equity in design and technology education? The case of British Columbia. <i>Journal of Industrial Teacher Education</i> , 37(3), 54-92)	Received
1999	National Association of Industrial and Technical Teacher Educators Award for Outstanding Research Manuscript in the <i>Journal of Industrial Teacher Education</i> (Lewis, T., Petrina, S. & Hill, A.M. (1998). Problem posing— Adding a creative increment to technological problem solving. <i>Journal of Industrial Teacher Education</i> , 36(1), 5-35)	Received



RESEARCH: PUBLICATIONS RECORD

URL: <https://ubc.academia.edu/StephenPetrina>

Date: 3 March 2022

Initials:

SURNAME: Petrina

FIRST NAME: Stephen

1. REFEREED PUBLICATIONS

(45 Refereed Articles to date) (20 Refereed Proceedings to date) (32+ Scholarly Responses and Non-Refereed Publications to date) (2 Books to date) (26 Book Chapters to date) (5 Encyclopedia Entries to date) (31 Reports to date)

(a) *Journals*

1. Namae, S. M., Nason, S., & Petrina, S. (under review). Information & communication technology in Uganda secondary schools: A survey of teachers in the Mbale District. *African Journal of Research in Mathematics, Science and Technology Education*, 1-24.
2. Gutica, M. & Petrina, S. (2021). Emotional agents in educational game design: *Heroes of Math Island*. *International Journal of Game-Based Learning*, 11(4), 72-91.
3. Petrina, S. & Ross, E. W. (2021). Higher racism: The case of the University of British Columbia— on the wrong side of history but right side of optics. *Workplace*, 32, 12-25.
4. Petrina, S. (2019). “The best known couple” in educational psychology: Luella W. Cole, Sidney L. Pressey, and the limits of auto/biography, 1918-1933. *Vitae Scholasticae: The Journal of Educational Biography*, 36(2), 5-24.
5. Petrina, S. (2019). “Scientific Ammunition to Fire at Congress:” Intelligence, reparations and the US Army Air Forces, 1944-1947. *Journal of Military History*, 83(3), 795-829.
6. Wang, Y., Petrina, S. & Feng, F. (2017). Designing VILLAGE (Virtual Immersive Language Learning Environment): Immersion and presence. *British Journal of Educational Technology*, 48(2), 431-450.
7. Wang, Y. & Petrina, S. (2013). Using learning analytics to understand the design of an intelligent language tutor – Chatbot Lucy. *International Journal of Advanced Computer Science and Applications*, 4(11), 124-131.
8. Petrina, S. (2012). The new critique and old scholasticism: On academic manners, managers, matters, and freedom. *Workplace: A Journal for Academic Labor*, 20, 17-63.
9. Clark, P., Gleason, M. & Petrina, S. (2012). Preschools for science: The Child Study Centre at the University of British Columbia, 1960-1997. *History of Education Quarterly*, 52(1), 29-61.
10. Park, H., Khan, S. & Petrina, S. (2008). ICT in science education: A quasi-experimental study of achievement, attitudes toward science, and career aspirations of Korean middle school students. *International Journal of Science Education*, 31(8), 993-1012.
11. Petrina, S. (2008). Medical liberty: Drugless healers confront allopathic doctors, 1910-1931. *Journal of Medical Humanities*, 29(4), 205-230.
12. Guo, R. X., Dobson, T. & Petrina, S. (2008). Digital natives, digital immigrants: An analysis of age and ICT competency in teacher education. *Journal of Educational Computing Research*, 38(3), 235-254.
13. Nason, S., Nielson, W. & Petrina, S. (2008). Whatever happened to STS? Preservice physics teachers and the history of quantum mechanics. *Science & Education*, 17(4), 387-401. (33% of authorship).

14. Petrina, S., Feng, F. & Kim, J. (2008). Researching cognition and technology: How we learn across the lifespan. *International Journal of Technology and Design Education*, 18(4), 375-396. (80% of authorship)
15. James, K. & Petrina, S. (2007). After-lifelong learning: A eulogium. *Taboo*, 10(2), 5-23. (50% of authorship)
16. *Petrina, S. (2006). C&I high. *Journal of Curriculum and Pedagogy*, 3(2), 125-147.
17. Kim, J. & Petrina, S. (2006). Emotional laboring in the video game, *The Sims*: A curriculum of emotional experience. *Educational Insights*, 10(2), 84-94. (50% of authorship)
18. Petrina, S. (2006). The medicalization of education: A historiographic synthesis. *History of Education Quarterly*, 46(1), 503-532.
19. Petrina, S. (2005). How (and why) digital diploma mills (don't) work: Academic freedom, intellectual property rights and UBC's Master of Educational Technology program. *Workplace: A Journal for Academic Labor*, 7(1), 38-59.
20. Petrina, S. & Weir, L. (2005). Commercializing academic freedom: R&D, technology transfer, patents and copyrights. *Workplace: A Journal for Academic Labor*, 7(1), 112-118. (50% of authorship)
21. Cook, S. & Petrina, S. (2005). Changing tastes: Coca-Cola, water and the commercialization of higher education. *Workplace: A Journal for Academic Labor*, 7(1), 95-111. (30% of authorship)
22. Petrina, S. (2004). Luella Cole, Sidney Pressey and educational psychoanalysis, 1921-1931. *History of Education Quarterly*, 44(4), 524-553.
23. Petrina, S., Volk, K. and Kim, S. (2004). Technology and rights. *International Journal of Technology and Design Education*, 14(3), 181-204. (50% of authorship)
24. Petrina, S. (2004). The politics of curriculum and instructional design/theory/form. *Interchange*, 35(1), 81-126.
25. Petrina, S. (2004). Sidney Pressey and the automation of education, 1924-1934. *Technology and Culture*, 45(2), 305-330.
26. Petrina, S. & Committee for the Transformation of NAITTE. (2003). A catalyst for excellence: The transformation of the National Association of Industrial and Technical Teacher Educators. *Journal of Industrial Teacher Education*, 40(4), 1-18. (90% of authorship)
27. Bryson, M., Petrina, S., Braundy, M. & de Castell, S. (2003). "Conditions for Success"?: Gender in technology-intensive courses in British Columbia secondary schools. *Canadian Journal of Science, Mathematics and Technology Education*, 3(2). 185-193. (30% of authorship)
28. Petrina, S. and Dalley, S. (2003). The politics of curriculum reform in Canada: The case of technology education in British Columbia. *Canadian Journal of Science, Mathematics and Technology Education*, 3(1), 117-144. (75% of authorship)
29. Petrina, S. (2003). 'Two cultures' of technical courses and discourses: The case of computer-aided design. *International Journal of Technology and Design Education*, 13(1), 47-73.
30. Kithyo, I. M. & Petrina, S. (2002). Gender in school to school transitions: How students choose career programs in technical colleges in Kenya. *Journal of Industrial Teacher Education*, 39(2), 2-23. (50% of authorship)
31. Petrina, S. (2002). Getting a purchase on "The School of Tomorrow" and its constituent commodities: Histories and historiographies of technologies. *History of Education Quarterly*, 42(1), 75-111.
32. Petrina, S. (2001). "The never-to-be forgotten investigation": Luella Cole, Sidney Pressey and mental surveying in Indiana, 1917-1921. *History of Psychology*, 4(3), 245-271.

33. Petrina, S. (2000). The political ecology of design and technology education: An inquiry into methods. *International Journal of Technology and Design Education*, 10(3), 207-237.
 34. Braundy, M., O'Riley, P., & Petrina, S. with Dalley, S. & Paxton, A. (2000). Missing XX chromosomes or gender in/equity in design and technology education? The case of British Columbia. *Journal of Industrial Teacher Education*, 37(3), 54-92. (30% of authorship)
 35. Petrina, S. (2000). The politics of technological literacy. *International Journal of Technology and Design Education* 10(2), 181-206.
 36. Petrina, S. (1998). The politics of research in technology education: A critical content and discourse analysis of the *Journal of Technology Education*. *Journal of Technology Education*, 10(1), 27-57.
 37. Petrina, S. (1998). Men at work: Inspecting the *Foundations of Technology Education*. *Journal of Industrial Teacher Education*, 36(1), 99-121.
 38. Lewis, T., Petrina, S. & Hill, A.M. (1998). Problem posing— Adding a creative increment to technological problem solving. *Journal of Industrial Teacher Education*, 36(1), 5-35. (33% of authorship)
 39. Petrina, S. (1998). Multidisciplinary technology education. *International Journal of Technology and Design Education*, 8(2), 105-138.
 40. Petrina, S. & Volk, K. (1995). Time to stop putting old wine into new bottles: The industrial arts movement's history, vision and ideal (part II). *Journal of Technology Studies*, 21(2), 28-35. (50% of authorship)
 41. Petrina, S. & Volk, K. (1995). Time to stop putting old wine into new bottles: The industrial arts movement's history, vision and ideal (part I). *Journal of Technology Studies*, 21(1), 24-32. (50% of authorship)
 42. Petrina, S. (1994). Curriculum organization in technology education: A critique of six trends. *Journal of Industrial Teacher Education*, 31(2), 44-69.
 43. Petrina, S. & Volk, K. (1993). Policy making processes and the Delphi technique in STS curricula: A case study examining energy issues. *Bulletin of Science, Technology, and Society*, 12(6), 299-303. (50% of authorship)
 44. Petrina, S. (1992, Spring). Curriculum change in technology education: Theoretical perspective on personal relevance curriculum designs. *Journal of Technology Education*, 3(2), 37-47.
 45. Petrina, S. (1990, Summer/Fall). An overview of technological forecasting and technology assessment. *Journal of Epsilon Pi Tau*, 16(2), 4-10.
- (b) *Refereed Conference Proceedings*
1. Petrina, S. (2021). Designerly ways, means, and ends: From STEM to STEAM to STEAMD. In D. Anderson, M. Milner-Bolotin, R. Santos, & S. Petrina (Eds.), *Proceedings of the 6th International STEM in Education Conference (STEM 2021)* (pp. 466-471). University of British Columbia.
 2. MacDowell, P. & Petrina, S. (2021). Philosophy of technology for children and youth II. In D. Anderson, M. Milner-Bolotin, R. Santos, & S. Petrina (Eds.), *Proceedings of the 6th International STEM in Education Conference (STEM 2021)* (pp. 263-269). University of British Columbia.
 3. Forde, K. & Petrina, S. (2021). Design of the preservice teacher's digital self. In D. Anderson, M. Milner-Bolotin, R. Santos, & S. Petrina (Eds.), *Proceedings of the 6th International STEM in Education Conference (STEM 2021)* (pp. 446-452). University of British Columbia.

4. Petrina, S., Alam, M., & Feng, F. (2021). SOUL (slow online & ubiquitous learning): Analysis and regulation of instructional time. In D. Anderson, M. Milner-Bolotin, R. Santos, & S. Petrina (Eds.), *Proceedings of the 6th International STEM in Education Conference (STEM 2021)* (pp. 324-330). University of British Columbia.
5. Wang, Y. & Petrina, S. (2016). *Designing VILLAGE (Virtual Immersive Language Learning Environment): Immersion, presence, and DBR*. Paper Presented at the bi-annual meeting of STEM, Beijing, China, October 25, 2016
6. Zhao, J., Ma, W., Petrina, S. & Winne, P. (2016). *Smart learning system*. Paper Presented at the bi-annual meeting of STEM, Beijing, China, October 25, 2016.
7. Petrina, S., Feng, F., Gutica, M., Rusnak, PJ, Teja, F. & Wang, Y. (2010). *Designerly ways of being, knowing, doing and learning: A symposium*. Presented at the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.
 8. Rusnak, PJ, Petrina, S., Feng, F. & Wang, Y. (2010). Being@play. *Proceedings the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference*. Vancouver, BC, 17-19 June, 567-587.
 9. Teja, F. & Petrina, S. (2010). Youth learning to design, build and program robots: A study of distributed cognition. *Proceedings of the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference*. Vancouver, BC, 17-19 June, 588-616.
 10. Gutica, M. & Petrina, S. (2010). Emotional design: Perspectives of IT designers. *Proceedings of the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference*. Vancouver, BC, 17-19 June, 634-662.
 11. Wang, Y. & Petrina, S. (2010). Designing chatbot technologies: A virtual agent for stimulating adults' oral English practices. *Proceedings of the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference*. Vancouver, BC, 17-19 June, 616-633.
 12. Petrina, S., Feng, F. & You, L. (2010). Researching design and engineering cognition. In Hansen, R. & Petrina, S. (Eds.), *Proceedings of the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference*. Vancouver, BC, 17-19 June, 693-714.
13. Brennan, K., Feng, F., Hall, L. & Petrina, S. (2007). On the complexity of technology and the technology of complexity. In. B. Davis (Ed.), *Proceedings of the Fourth Complexity Science and Educational Research conference*, 47-73.
14. Brennan, K., Feng, F., Hall, L., Kim, J., Kojima, D. & Petrina, S. (2007). Methodologies for Researching Cognition and Technology: Dynamically Responsive Learning Environments. In C. Montgomerie & J. Seale (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2007* (pp. 4069-4073). Chesapeake, VA: AACE.
15. Petrina, S. & Feng, F. (2006). On techno-theology and the sacred: Exploring technology and spirituality. In H. Middleton (Ed.), *Proceedings of the 4th Biennial International Conference on Technology Education Research* (pp. 337-346). Brisbane, QLD: Griffith University.
16. Petrina, S., Feng, F. and Kim, J. (2004). Technological literacy across the lifespan: Key findings from research. In M. J. DeVries, Ed., *Proceedings of the Fourteenth Annual Pupil's Attitudes Toward Technology Conference*, Albuquerque, NM. (20 pp.)
17. Petrina, S. (2000, April 6-8). *Little cybernetic monsters in design and technology education: Another inquiry into methods*. Proceedings of the Twelfth Annual Pupil's Attitudes Toward Technology Conference, Salt Lake City, UT, 75-84.
18. Petrina, S. (2000, February 8-12). *At the site of our selves: Digital portfolios in teacher education*. Paper presented at the annual meeting of the Society for Information Technology and Teacher Education, San Diego, CA. (18 pp.) (CD ROM).

19. Petrina, S. (1998, September 24-27). *The politics of technological literacy*. Paper presented at the International Working Seminar For Scholars in Technology Education, Washington, DC, 72-78.
20. Petrina, S. (1995, June 23-25). *A rudimentary sketch of the educational market for psychological products, ca. 1920s*. Paper presented at the 27th annual meeting of Cheiron, International Society of the Behavioral and Social Sciences, Bowdoin College, Brunswick, ME, 43-53.

2. QUASI-REFEREED PUBLICATIONS

(c) *Scholarly Commentary & Discourse and Academic Journalism: Reactions, Responses*

1. Petrina, S., Mathison, S. & Ross, E. W. (2015). Threat convergence: The new academic work, bullying, mobbing and freedom. *Workplace, 24*, 58-69.
2. Petrina, S. & Ross, E. W. (2014). Critical university studies: Workplace, milestones, crossroads, respect, truth. *Workplace, 23*, 62-71.
3. Petrina, S. (2003). The educational technology is technology education manifesto. *Journal of Technology Education, 15*(1), 63-73.
4. Petrina, S. (1995). The end of technology education: A response to Theodore Lewis and Karen Zuga. *Journal of Industrial Teacher Education, 32*(3), 75-82.
5. Petrina, S., Craven, H. & Powell, A. (1993). The United States economic transition and vocational education reform. *Journal of Industrial Teacher Education, 31*(1), 105-112.
6. Petrina, S. (1993). Under the corporate thumb: Troubles with our MATE (Modular Approach to Technology Education). *Journal of Technology Education, 5*(1), 81-89.
7. Petrina, S. (1993). Diversity, not Uniformity; United, not standardized: A reaction to Wright's "challenge to all technology educators." *Journal of Technology Education, 4*(2), 71-78.
8. Petrina, S. (1992). Questioning the language that we use: A reaction to Pannabecker's critique of the technological impact metaphor. *Journal of Technology Education, 4*(1), 54-61.

3. NON-REFEREED PUBLICATIONS

(a) *Journals* (* Designates solicited journal article) (^designates reprinted article)

1. Petrina, S. & Ross, E. W. (2016, October 6). Vancouver faces stark contrasts between funding for K to 12 and university. *Vancouver Observer*.
2. Mathison, M., Petrina, S., & Ross, E. W. (2016, February 7). Professors blast UBC's "failures of governance." *Vancouver Observer*.
3. Petrina, S. (2014). iPopU: Innovation in evaluation. *Workplace, 27*, 1-4.
4. Petrina, S. (2014). iPopU Topdown 100 Innorenovations. *Workplace, 27*, 1-2.
5. Petrina, S., Kaminski, J. & Feng, F. (2006). Artificial educational insights and virtual dystopia— The machine in classroom seven, ca. 2020. *Educational Insights, 10*(2), 1-5.

6. Petrina, S. (2006, September). UBC, SFU, UVIC want secrecy instead of freedom of information. *Faculty Focus: Newsletter of the Faculty Association of UBC*, 38(1), x-x.
7. Petrina, S. (2006, March). Another victory for Bryson v. MET! *Faculty Focus: Newsletter of the Faculty Association of UBC*, 37(8), 8-11.
8. Bryson, M., Petrina, S. & Weir, L. (2005). Introduction to the special issue. *Workplace: A Journal of Academic Labor*, 7(1), 1-3.
9. Petrina, S. and Weir, L. (2004). Transferring academic freedom and intellectual property rights. *Faculty Focus: Newsletter of the Faculty Association of UBC*, 37(8), 8-11.
10. Petrina, S. (2004). Structural racism at UBC? *Faculty Focus: Newsletter of the Faculty Association of UBC*, 37(7), 4-5, 7.
11. Petrina, S. (2003). Unbundling intellectual property rights. *Faculty Focus: Newsletter of the Faculty Association of UBC*, 36(7), 7-9.
12. Petrina, S. (1999). It's 1999: Are we part of the problem or part of the solution? *Journal of Technology Studies*, 25(1), 23-24.
13. Petrina, S., Hall, R., Hill, A.M. & McAdam, D. (1999). Bridging design and ecology. *TIES Magazine*, 1-6.
14. Petrina, S. (Sept, 1996). A short course on contextualizing CAD. *View Magazine*, 15-17.
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16. ^Petrina, S. (1995, Sept-Oct). Choosing a MATE in haste could mean repenting at leisure. *VIEW Magazine* 23(2): 14. (Magazine of the British Columbia Technology Education Association in Canada)
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18. *Petrina, S. (1993, Sept-Oct). Choosing a MATE in haste could mean repenting at leisure. *TIES*, 6(1), 19-20.
19. Petrina, S. (1993). Letter to the Editor: A Response to the "Technology and Childhood" Special Issue. *Holistic Education Review*, 6(4), 47.
20. Petrina, S. (1992, Sept-Oct). Empowering technology teachers with their own methods of organizing curriculum. *Technology Education Report: A Publication of the Indiana Industrial Technology Education Association*, 5(1), 4-5.
21. Petrina, S. & Volk, K. (1991, April). Using technology education to help urban students develop positive values. *School Shop/Tech Directions*, 50(9), 23-26.
22. Petrina, S. (1996, 1997, 1998, 1999) Annual reports of Technology Studies at UBC, BCTEA *View Magazine*.

(b) *Book Review Essays*

1. Petrina, S. (2022). Review of *Teaching Machines: The History of Personalized Learning*. *Journal of the History of the Behavioral Sciences*.
2. Petrina, S. (2019). Review of *Our Germans: Project Paperclip and the National Security State*. *Journal of Military History*, 83(3), 951-952.
3. Petrina, S. (in press). Review of *Bremen Club and Freiburg lectures, 1949-1957*.

4. Petrina, S. (2010). Technology and (human) rights: Review of *Human rights in the global information society. Workplace, 17*, 147-149.
5. Petrina, S. (2006). Review of *School commercialism: From democratic ideal to market commodity. Teachers College Record*.
6. Petrina, S. (2003). Human rights and politically incorrect thinking versus *Technically Speaking. Journal of Technology Education, 14*(2), 70-74.
7. Petrina, S. (2000). Review of *The Civilization of Illiteracy* by Mihai Nadin. *Journal of Technology Education 11*(2), 69-70.
8. Petrina, S. (1998). Men at work: Inspecting the *Foundations of Technology Education. Journal of Industrial Teacher Education, 36*(1), 99-121.
9. Petrina, S. (1991). Review of *American Genesis. Journal of Industrial Teacher Education, 29*(1), 103-106.

(c) *Non-Refereed Conference Proceedings*

(d) *Academic Journalism: Blog Posts (Essayed)*

4. **BOOKS & SPECIAL ISSUES OF JOURNALS**

(a) *Authored Books*

1. Petrina, S. (in progress, 2017). *Meducation: A cultural history of education, medicine, and the psyences*. Charlotte, NC: Information Age Publishing (220 pp.).
2. Petrina, S. (2007). *Advanced teaching methods for the technology classroom*. Hershey, PA: Information Science, Inc. (400 pp.)

(b) *Edited Proceedings*

1. Anderson, D., Milner-Bolotin, M., Santos, R., & Petrina, S. (Eds.). (2021). *Proceedings of the 6th International STEM in Education Conference (STEM 2021)*. University of British Columbia, Vancouver, Canada, July 5-9. University of British Columbia.
2. Petrina, S. & Hansen, R. (Eds.). (2010). *Proceedings of the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference*. Vancouver, BC, 17-19 June, 716 pp.

(c) *Chapters*

1. Petrina, S. (2022). Meaning-making in technological and engineering literacy. In S. Bartholomew, M. Hoepfl, & J. Williams, (Eds.), *Standards-based technology and engineering education* (pp. 1-4).
2. Petrina, S. & Zhao, J. J. (2021). 3D Virtual learning environment for acquisition of cultural competence: Experiences of instructional designers. In G. Panconesi & M. Guida (Eds.), *Handbook of research on teaching with virtual environments and AI* (pp. 17-42). Hershey, PA: IGI.
3. Petrina, S. (2020). Philosophy of technology for children and youth. In P. J. Williams & D. Barlex, (Eds.), *Pedagogy for technology education in secondary schools* (pp. 311-323). Dordrecht, NL: Springer.

4. Ralph, R. & Petrina, S. (2019/2020). Mobile devices for preschool-aged children. In Y. A. Zhang & D. Cristol (Eds.), *Handbook of mobile teaching and learning* (pp. 809-824). Berlin, GE: Springer.
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6. Lee, Y.-L. & Petrina, S. (2017). Hacking minds: *Curriculum mentis*, noosphere, internet, matrix, web. In N. Ng-A-Fook, S. Pratt, B. Smith, & L. Radford (Eds.), *Hacking education in a digital age: Teacher education, curriculum, and literacies* (pp. 1-17). Charlotte, NC: Information Age Publishing Inc.
7. Petrina, S. (2017). Critique of technology. In P. J. Williams & K. Stables (Eds.), *Critique in design and technology education* (pp. 31-49). Dordrecht, NL: Springer.
8. Petrina, S. (2014). Postliterate machineries. In J. Dakers (Ed.), *New frontiers in technological literacy: Breaking with the past* (pp. 29-43). New York, NY: Palgrave Macmillan.
9. Petrina, S. (2010). Cognitive science [Design and engineering cognition]. In P. Reed & J. E. LaPorte (Eds.), *Research in technology education* (pp. 136-151). New York, NY: Glencoe-McGraw Hill.
10. Petrina, S., Bartosh, O., Guo, R. & Stanley-Wilson, L. (2008). ICT literacies and policies in teacher education. In T. Di Petta (Ed.), *The Emperor's new computer* (pp. 89-109). Rotterdam: Sense.
11. Petrina, S. & Weir, L. (2008). Commercializing academic freedom: R&D, technology transfer, patents, and copyrights. In S. Krishna (Ed.), *Technology transfer: Intellectual property rights* (pp. 76-88). Hyderabad, India: Amicus Books, ICAI University Press. (Reprint of article).
12. Petrina, S. (2008). Academic freedom for K-12 teachers. In S. Mathison & W. Ross (Eds.), *Battleground: Schools: An encyclopedia of conflict and controversy, Volume 1* (pp. 1-11). New York: Greenwood.
13. Petrina, S. & Guo, R. (2007). Developing a large-scale assessment of technological literacy. In M. Hoepfl & M. Lindstrom (Eds.), *Assessment in technology education* (pp. 157-180). New York: Glencoe-McGraw Hill. (80% of authorship)
14. Petrina, S. (2007). 2020 vision: On the politics of technology. In D. Barlex (Ed.), *Design & technology— For the next generation* (pp. 32-41). London: Nuffield Foundation.
15. Petrina, S. (2004). Recreating the student body: The bowling wars. In P. Vertinsky (Ed.), *Disciplining Bodies in the Gymnasium: Memory, Monument and Modernism* (pp. 74-98). New York: Routledge.
16. Vertinsky, P., McKay, S. & Petrina, S. (2004). No body/ies in the gym. In P. Vertinsky (Ed.), *Disciplining Bodies in the Gymnasium: Memory, Monument and Modernism* (pp. 157-71). New York: Routledge. (25% of authorship)
17. Doll, W., Feng, F. & Petrina, S. (2001). The object(s) of culture: Bruno Latour and the relationship between science and culture. In M. Morris & J. Weaver (Eds.), *(Post)modern science (education)* (pp. 25-40). New York: Peter Lang. (25% of authorship)
18. Petrina, S. & O'Riley, P. (2001). Economics of appropriate technology. In R. Wicklein (Ed.), *Appropriate technology for sustainable living, 50th Yearbook of the Council on Technology Teacher Education* (pp. 16-40). New York: Glencoe. (80% of authorship)

(d) *Encyclopedia Entries*

1. Petrina, S. & Rusnak, P. (2010). Technology. In C. Kridel, (Ed.), *Encyclopedia of curriculum studies* (pp. 876-878). Thousand Oaks, CA: Sage.

2. Petrina, S. (2010). Educational Testing Service. In C. Kridel, (Ed.), *Encyclopedia of curriculum studies* (pp. 317-318). Thousand Oaks, CA: Sage.
3. Petrina, S. & Rusnak, P. (2010). Intelligence tests. In C. Kridel, (Ed.), *Encyclopedia of curriculum studies* (pp. 487-488). Thousand Oaks, CA: Sage.
4. Petrina, S. (2010). Academic freedom. In C. Kridel, (Ed.), *Encyclopedia of curriculum studies* (pp. 1-2). Thousand Oaks, CA: Sage.
5. Petrina, S. (2008). Academic freedom for K-12 teachers. In S. Mathison & W. Ross (Eds.), *Battleground Schools: An encyclopedia of conflict and controversy, Volume 1* (pp. 1-11). New York: Greenwood.
6. Petrina, S. (2000). Science of education. In A. Hessenbach (Ed.), *Reader's guide to the history of science* (pp. 680-682). London: Fitzroy Dearborn Publishers.
4. **REPORTS** = 31 Reports to date
5. **PRESENTATIONS** = 80+ Presentations to date