Brief Curriculum Vitae for Stephen Petrina

URL: http://blogs.ubc.ca/spcv/   **Date**: 1 November 2014
PRESENT RANK: Professor   **SINCE**: 1 July 2007

Stephen Petrina is a Media and Technology Studies specialist, cultural historian, and critical educator. He is a Professor (Media & Technology Studies) in the Department of Curriculum and Pedagogy, Masters of Educational Technology program (http://met.ubc.ca), and Science & Technology Studies (STS) program (http://sts.arts.ubc.ca). He has authored or co-authored 110 publications, including 40 Refereed Articles, 14 Refereed Proceedings, 31 Scholarly Responses and Non-Refereed Publications, 6 Books, and 26 Book Chapters, in addition to dozens of technical reports. He has been awarded $1.5m in competitive research and infrastructure funds, some of which underwrote the design of 3 labs. He has supervised 108 graduate students, including 8 Ph.D. students, to completion and is current Supervisor of 9 graduate students. With Sandra Mathison and E. Wayne Ross, he is co-Director of the Institute for Critical Education Studies (http://blogs.ubc.ca/ices/) and co-Editor of *Critical Education* and *Workplace*.

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	Engineering & Technology Education	1984

EMPLOYMENT RECORD
(a)   At UBC

Rank or Title	Dates
Assistant Professor	1996-2001 (30 June)
Associate Professor	2001 (1 July)- 2007 (3 August)
Professor	2007 (3 August)- Present

ADMINISTRATIVE APPOINTMENTS

Administration	Dates
Curriculum Area Coordinator / Chair (Technology Studies)	July 1996- December 2011
Graduate Coordinator	June 2007- September 2009
Deputy Head	June 2007- September 2009

(b)   Directorships

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

TEACHING, MENTORING, AND GRADUATE SUPERVISION

TEACHING

Teaching Awards & Nominations

Award	Nomination Date	Received
Killam Teaching Award*	1999	Did not Receive
Killam Teaching Award*	2006	Did not Receive

*Nominated with dossier prepared by graduate students

Example Courses Developed at UBC

Course Titles	Dates
EDCP 481 Media Studies http://blogs.ubc.ca/etec	2010 - Present
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
EDUC 500 Research Methodologies	1998 / 2003
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 585 Seminar on Bruno Latour, ANT and STS http://blogs.ubc.ca/msts	2013-Present

Graduate Students Supervised

	Student Name / Award	Program Type	Year		Principal Supervisor	Co-Supervisor(s)
			Start	Finish		
	I have supervised 108 graduate students, including 8 Ph.D. students, to completion and am current Supervisor of 9 graduate students. For details, please request full CV.					

External Graduate Program Cohorts Developed and Hosted

Cohort Name	Program Type	Year		District	Advisor
		Start	Finish		
1. Digital Learning and Curriculum (DLC1)	MEd (21 Students)	2010	2012	Vancouver, Langley	Primary Advisor: Krug Secondary Advisor: Petrina
2. Digital Learning and Curriculum (DLC2)	MEd (20 Students)	2012	2014	Vancouver, Langley	Primary Advisor: Krug Secondary Advisor: Petrina

INFRASTRUCTURE

RESEARCH AND TEACHNG INFRASTRUCTURE

Research and Teaching Infrastructure (Physical)

Date	Facility	Role	Co-developers
Winter 2000-present	Design & Technology Lab 1106	Principal Designer	
Summer 2005-present	Linux Lab (Scarfe 1106)	Co- Designer	Soowook Kim, James Gauthier
Summer 2005-present	New Media Research / How We Learn Lab (Scarfe 1224)	Principal Designer	
Winter 2008-present	Learning Sciences & Technologies Research Lab	Principal Designer	Mary Bryson, Brent Davis & Franc Feng
2012-present	Institute for Critical Education Studies	Co-Director	Sandra Mathison, E. Wayne Ross

Research and Teaching Infrastructure (Digital / Virtual)

Date	System	Role	Co-developers
Summer 2008-present	ETEC 511 Learning Management System	Co- Designer	Feng
Summer 2008-present	Open Journal System	Co- Designer	Ross & Hapke
Summer 2009-present	Open Conference System	Co- Designer	Hapke
2008-present	*Critical Education* http://ojs.library.ubc.ca/index.php/criticaled	Co-Editor	Sandra Mathison, E. Wayne Ross
2008-present	*Workplace* http://blogs.ubc.ca/workplace/ http://ojs.library.ubc.ca/index.php/workplace	Co-Editor	Wayne Ross
2012-present	Open Journal System redesign *Critical Education* & *Workplace*	Co- Designer	Ross
2012-present	Institute for Critical Education Studies http://blogs.ubc.ca/ices	Co-Director	Sandra Mathison, E. Wayne Ross

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

GRANTS AND CONTRACTS

	Granting Agency	Subject	COM PETE	$ Per Year	Year	Principal Investigator	Co-Investigator(s)
1.	Social Science and Humanities Research Council (Insight)	How We Learn Media & Technology: Design & Engineering Cognition	C	= $371,406 @ 5 years	2014-	Petrina	Feng
2.	Salary Research Grant	Education, Medicine & the Psy-ences	NC	Dedication of % Salary @ $60,000	2012-2013	Petrina	
3.	UBC Faculty of Education / DNSO Mentorship Fund	Education, Medicine, and the Psy-ences	NC	$5,000	2012	Petrina	
4.	UBC Faculty of Education / OGPR Infrastructure Development Fund	ICES / Workplace: A Journal for Academic Labor	C	$1,200	2012	Petrina, Ross & Mathison	
5.	British Columbia Institute of Technology VP Research Seed Fund	Designing Engaging Educational Games	C	$50,000	2012	Gutica	Petrina
6.	Canadian Commission for UNESCO	Technological Learning and Thinking Conference 2010	C	$2,500	2010	Hansen & Petrina	
7.	UBC Hampton Fund Research Grant	Hollywood Hospital, 1919-1975	C	$20,000	2009-2011	Roman	Petrina
8.	Social Science and Humanities Research Council	Learning Technologies & Media Across the Lifespan	C	1) $48,100 2) $46,900 3) $44,900 = $139,900	2009-2012	Petrina	Feng
9.	Canada Foundation for Innovation	Learning Sciences and Technologies Research Lab	C	$199,957	2008-2009	Petrina	Bryson & Davis

10. Social Science and Humanities Research Council	Seeds of possibility: Mentoring K-7 Educators' ICT Ecology of Cognition	C	1) $x 2) $x 3) $x = $109,100	2007-2010	Krug	Petrina,
11. Social Science and Humanities Research Council	How We Learn (Technology Across the Lifespan)	C	1) $68,859 2) $60,358 3) $51,834 = $181,052	2006-2009	Petrina	Bryson, Dobson, Feng, Khan, Krug & Willinsky
12. UBC Humanities and Social Science Research Fund	A History of the UBC Child Study Centre, 1961-1997	C	$6,000 (Total)	2005-2006	Clark, P.	Gleason & Petrina
13. UBC Hampton Fund Research Grant	Encountering Technology and Emotions	C	$45,000 (Total)	2004-2006	Petrina	Bryson, Dobson and Fels

SERVICE

SERVICE TO THE UNIVERSITY *see also Administrative Appointments above

Memberships on committees, including offices held and dates

2010-2012   Member, UBC Senate Library Committee
2005-present   Member, Environmental Education Caucus
2006-present   Chair, How We Learn (Media & Technology Across the Lifespan) research group
2010-2011   Co-Chair, Faculty of Education Faculty Congress Implementation Committee
2009-2010   Member of Department of Curriculum and Pedagogy Undergraduate Advisory Committee
2007-2009   Member of Department of Curriculum and Pedagogy Head's Advisory Committee
2007-2009   Chair, Department of Curriculum and Pedagogy Graduate Advisory Committee
2007-2009   Member of the Faculty of Education Graduate Coordinator's Advisory Committee
2007-2009   Member of the Faculty of Graduate Studies Graduate Council
2007-2010   Executive Member of the Canadian Association for Curriculum Studies
2003-2007   Executive Member at Large, Faculty Association of UBC

SERVICE TO THE COMMUNITY

Editorships (list journal and dates)

2011-Present   Co-Editor *Critical Education*
2006-Present   Co-Editor *Workplace: A Journal for Academic Labor*
2007-2008   Editor (Special Issue) *Educational Insights*
1995-2004   Assistant Editor *Journal of Industrial Teacher Education*
1994-2004   Assistant Editor *Journal of Technology Education*
1994-2004   Book Review Editor *Journal of Technology Education*

co-Editorship of Workplace: A Journal for Academic Labor

   a.   Petrina, S. & Ross, E. W. (2014). Academic Mobbing and Bullying. *Workplace, 24*, 80 pp.

b. Petrina, S. & Ross, E. W. (2014). Equity, Governance, Economics and Critical University Studies. *Workplace, 23*, 71 pp.

c. Porfilio, B. J., Gorlewski, J.A., Pineo-Jensen, S., Ross, E. W. & Petrina, S. (2013). The New Academic Labor Market and Graduate Students. *Workplace, 22*, 1-108.

d. Jubas, K., Kawalilak, C., Petrina, S. & Ross, E. W. (Eds.). (2012). In/stability, In/security, In/visibility: Tensions at Work for Tenured and Tenure Stream Faculty in the Neoliberal Academy. *Workplace: A Journal for Academic Labor, 21*, 60 pp.

e. Ross, E. W. & Petrina, S. (Eds.). (2012). The New Academic Manners, Managers, and Spaces. Special issue of *Workplace: A Journal for Academic Labor, 20*, 112 pp.

f. McGinn, M. K., Petrina, S. & Ross, E. W. (Eds.). (2012). Belonging and non-Belonging: Costs and Consequences in Academic Lives. Special issue of *Workplace: A Journal for Academic Labor, 19*, 91 pp.

g. Ross, E. W. & Petrina, S. (Eds.). (2011). Narratives of academic labor. Special issue of *Workplace: A Journal for Academic Labor, 18*, 53 pp.

h. Stevenson, H., Petrina, S. & Ross, E. W. (Eds.). (2010). Working In, and Against, the Neo-Liberal State: Global Perspectives on K-12 Teacher Unions. Special issue of *Workplace: A Journal for Academic Labor, 17*, 165 pp.

i. Ross, E. W. & Petrina, S. (Eds.). (2009). Academic, Knowledge, Labor, and Neoliberalism. Special issue of *Workplace: A Journal for Academic Labor, 16*, 127 pp.

j. Wexler, S., Petrina, S. & Ross, E. W. (Eds.). (2008). Mental Labor. Special issue of *Workplace: A Journal for Academic Labor, 15*, 162 pp.

k. Palm, M., Ross, W. & Petrina, S. (Eds.). (2007). Beyond the Picket Line: Academic Organizing after the Long NYU Strike. Special issue of *Workplace: A Journal for Academic Labor, 14*, 125 pp.

l. Bryson, M., Petrina, S., Weir, L. & Ross, E. W. (Eds.). (2005). Academic freedom & IP rights in an era of the automation and commercialization of higher education: Special issue of *Workplace: A Journal for Academic Labor, 13*, 128 pp.

Reviewer (journal, agency, etc. including dates)

2009-2010   *Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity* conference. Vancouver, BC, 17-19 June.

2008-2009   SSHRC Graduate Scholarship Adjudication Committee (application reviewer) (128 apps. 2008, 70 app. 2009)

2006-Present   *Workplace: A Journal for Academic Labor*

2006-Present   *Canadian Journal of Higher Education* (manuscript reviewer)

2004-Present   National Science and Engineering Research Council (proposal reviewer)

2002-Present   Social Science and Humanities Research Council (proposal reviewer)

2002-Present   *History of Education Quarterly* (manuscript reviewer)

2002-Present   *Technology and Culture* (manuscript reviewer)

2012-Present   *Journal of Technology Education* (manuscript reviewer)

Arbitration and Legal Expertise

2004-2007   UBC Faculty Association v. University of British Columbia (Bryson v. MET)

2007-2010   UBC Faculty Association (Janice Doe) v. University of British Columbia

2009-present   Jennifer Chan v. University of British Columbia (UBC Equity Office, BC Human Rights Tribunal)

AWARDS AND DISTINCTIONS

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

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. *History of Education Quarterly, 52*(1): 29-61)
2007	Silvius-Wolansky Award for Outstanding Publication in Technology Education, presented by the Council on Technology Teacher Education and the International Technology Education Association (Petrina, S. (2007). *Advanced teaching methods for the technology classroom*. Hershey, PA: Information Science, Inc.)
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. *Journal of Industrial Teacher Education, 37*(3), 54-92)
1999	National Association of Industrial and Technical Teacher Educators Award for Outstanding Research Manuscript in the *Journal of Industrial Teacher Education* (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)
1998	Technology Education Division of the American Vocational Association Research Symposium Award (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)
1997	Paul Hiser Award for Exemplary Publication, Epsilon Pi Tau and *Journal of Technology Studies* (Petrina, S. & Volk, K. (1995). Time to stop putting old wine into new bottles: The industrial arts movement's history, vision and ideal (parts 1 & 2). *Journal of Technology Studies, 21*(1 + 2), 24-32 + 28-35)

PRESENTATIONS (Selected) (over the last seven years 2007-2013)

Invited and Keynote Presentations

1. Petrina, S. (2012). *The new critiquette and old scholactivism: On academic manners, managers, matters, and freedom*. Paper presented at the Rouge Forum @ AERA 2012. Vancouver, BC, 13 March.

2. 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 first bi-annual Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

3. Petrina, S. (2009). *'Scientific ammunition to fire at congress:' Intelligence, reparations, and the U.S. Army Air Forces, 1944-1947*. Invited talk given at Green College, Science and Technology Studies Series. Vancouver, 17 June.

4. Petrina, S., Feng, F., Gutica, M., Hall, L., Kojima, D., Rusnak, PJ., Trey, L. & Wang, Y. (2008). *How we learn (technology across the lifespan)*. Keynote address given at the 70th annual conference of the International Technology Education Association. Salt lake City, UT, 21-23 February.

5. Petrina, S. (2008). *Medical liberty*. Invited talk given at Green College, Principal's Lecture Series. Vancouver, 29 January.

6. Petrina, S. (2008). *Medical liberty*. Invited talk given at Green College, Science and Technology Studies Series. Vancouver, 16 June.

Refereed and *Major International and National Conference Presentations

1. Petrina, S., Feng, F., Gutica, M., Halim, P., Rusnak, PJ. & Wang, Y. (2014). *Design-Based Research in Gaming and Virtual Environments*. Symposium and Papers Presented at the bi-annual meeting of STEM, Vancouver, July 2014.
    a. Girls Designing Games, Media, Robots, Selves and Culture
    b. Designing an Educational Game (Heroes of Math Island) for Modeling Adaptive Emotional Agents
    c. Designing Immersive Language Learning Environments in Virtual Worlds
    d. DBR, Design and Engineering Cognition, and Ethical Know-How

2. Petrina, S., Feng, F., Gutica, M., Halim, P., Rusnak, PJ. & Wang, Y. (2014). *Design-Based Research in Gaming and Virtual Environments*. Symposium and Papers Presented at the annual meeting of the American Educational Research Association, Philadelphia, April 2014.
    a. Girls Designing Games, Media, Robots, Selves and Culture
    b. Designing an Educational Game (Heroes of Math Island) for Modeling Adaptive Emotional Agents
    c. Designing Immersive Language Learning Environments in Virtual Worlds
    d. DBR, Design and Engineering Cognition, and Ethical Know-How

3. Petrina, S., Feng, F., Gutica, M., Halim, P., Rusnak, PJ. & Wang, Y. (2014). *Design & Engineering Cognition : : Ethical Know-How*. Symposium and Papers Presented at the annual meeting of the International Technology and Engineering Education Association, Orlando, March 2014.
    a. Girls Designing Games, Media, Robots, Selves and Culture
    b. Designing an Educational Game (Heroes of Math Island) for Modeling Adaptive Emotional Agents
    c. Designing Immersive Language Learning Environments in Virtual Worlds
    d. Video Gaming in the Classroom: Insights and Ideas from Teenage Students
    e. DBR, Design and Engineering Cognition, and Ethical Know-How

4. Gutica, M. & Petrina, S. (2012). *Designing and implementing educational games: Engaging college students in research in education*. Paper presented at the annual meeting of the Society for the Study of Teaching and Learning, Montreal, 19-22 June.

5. *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.

    a. Teja, F. & Petrina. (2010). *Youth learning to design, build and program robots: A study of distributed cognition*. Paper presented at the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

b. Rusnak, PJ, Petrina, S., Feng, F. & Wang, Y. (2010). *Being@play*. Paper presented at the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

c. Gutica, M. & Petrina, S. (2010). *Emotional design: Perspectives of IT designers*. Paper presented at the first bi-annual Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

d. Wang, Y. & Petrina, S. (2010). *Designing chatbot technologies: A virtual agent for stimulating adults' oral English practices*. Paper presented at the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

e. Petrina, S., Feng, F. & You, L. (2010). *Researching design and engineering cognition*. Paper presented at the Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

6. *Petrina, S., Rusnak, PJ., Ecklund, K. & Kocher, M. (2010). *Storytellers, storymakers, learning, and ARGs: A Symposium*. First annual Digital Media and Learning conference. San Diego, CA, 18-20 February.

f. Petrina, S. (2010). End of gaming literacies : : Postliterate machineries. Paper presented at *Storytellers, storymakers, learning, and ARGs: A Symposium*. First annual Digital Media and Learning conference. San Diego, CA, 18-20 February. (10 pp.)

2. Hall, L. & Petrina, S. (2008). *Relationality, perceptions of technologies and ecological responsibility*. Paper presented at the annual meeting of the American Educational Research Association, New York, 22-29 March. (15 pp.)

3. Petrina, S., Compton, V., Feng, F., Hall, L., Kojima, D., Rusnak, PJ. & Trey, L. (2008, 2 June). *Methodologies for researching how people learn technologies*. Paper given at the annual conference of the Canadian Society for the Study of Education and Canadian Association for Curriculum Studies. Vancouver, BC, 30 May-3 June.

4. Brennan, K., Feng, F., Hall, L. & Petrina, S. (2007, 13 October). *Technology, religion, spirituality and the sacred*. Paper presented at the annual meeting of the Society for the Social Studies of Science, Montreal, QC, 11-13 October. (18 pp.)

5. Kim, S. & Petrina, S. (2007, 12 October). *The sources of production*. Paper presented at the annual meeting of the Society for the Social Studies of Science, Montreal, 11-13 October. (9 pp.)

6. Brennan, K., Feng, F., Hall, L., Kojima, D. & Petrina, S. (2007, 27 June). *Researching cognition and technology: Dynamically responsive learning environments*. Paper presented at the Ed-Media World Conference, Vancouver, 25-29 June 2007. (6 pp.)

7. Petrina, S. (2007, 27 May). *Medical Liberty: Education, Medicine, Psychotherapeutics, Foucault, 1910-1935*. Paper presented at the Annual Meeting of the Society for the Canadian Disability Studies Association on the panel symposium, "Unsettling Medical Colonization in education, popular theatre and social welfare." Saskatoon, SK, 26-28 May. (41 pp.)

8. Petrina, S. (2007, 8-9 April). *Medical Liberty: Education, Medicine, Psychotherapeutics, Foucault, 1910-1935*. Paper presented at the Annual Meeting of the Society for the Study of Curriculum History on the panel symposium, "History is Lived and Contested: Asylums, Medical Professions and School in Historic

Contexts." Chicago, April 8, 2007.

9. Brennan, K., Feng, F., Hall, L. & Petrina, S. (2007, 18-21 February). *On the complexity of technology and the technology of complexity*. Paper presented at the Fourth Complexity Science and Educational Research conference, 18-20 February, Vancouver, BC. (41 pp.)

Conference Participation (Organizer, etc.)

1. Anderson, D., Edwards, M., Milner-Bolitin, M., Nashon, S. & Petrina, S. w/ Anderson, A. (2014). Conference co-organizer for the bi-annual meeting of STEM Education, Vancouver, July 2014.
   a. 231 Papers, posters & workshops
   b. 320 Participants

2. Mathison, S., Petrina, S. & Ross, E. W. [ICES]. (2012). Conference co-chair for the *Rouge Forum @ AERA 2012 : : To Know is Not Enough* conference. Vancouver, BC, 13 April.

3. Petrina, S. & Hansen, R. (2010). Conference co-chair for the *Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity* conference. Vancouver, BC, 17-19 June.
   a. 90 proposals submitted
   b. 76 accepted
   c. 32 sessions
   d. 120 Participants

4. Petrina, S., Feng, F., Gutica, M., Rusnak, PJ, Teja, F. & Wang, Y. (2010). *Designerly ways of being, knowing, doing and learning: A symposium*. First bi-annual Technological Learning and Thinking: Culture, Design, Sustainability, Human Ingenuity conference. Vancouver, BC, 17-19 June.

5. Petrina, S., Rusnak, PJ., Ecklund, K. & Kocher, M. (2010). *Storytellers, storymakers, learning, and ARGs: A Symposium*. First annual Digital Media and Learning conference. San Diego, CA, 18-20 February.

6. Petrina, S. (2008). Conference Chair for Canadian Association for Curriculum Studies in the Canadian Society for the Study of Education annual meeting. Vancouver, BC, 30 May-3 June.
   a. 351 proposals submitted
   b. 245 accepted
   c. 82 sessions

PUBLICATIONS

(42 Refereed Articles to date, 2 under review) (14 Refereed Proceedings to date) (31 Scholarly Responses and Non-Refereed Publications to date) (6 Books to date) (22 Book Chapters to date) (5 Encyclopedia Entries to date) (31 Reports to date)

1. Research Contributions Over the Last Six Years (2007-2013)

A. Refereed Books

R Petrina, S. (2007). *Advanced teaching methods for the technology classroom*. Hershey: Information Sciences, International. (400 pp.)

B. Refereed Book Chapters (selected) (*SRG # 410-2006-1679 & SRG #410-2009-2856)

R* Petrina, S. (2014). Postliterate machineries. In J. Dakers (Ed.), *New frontiers in technological literacy: Breaking with the past* (pp. 29-43). New York: Palgrave Macmillan.

R* Petrina, S. (2010). Design and engineering cognition. In P. Reed & J. E. LaPorte (Eds.), *Research in technology education* (pp. 136-151). New York: Glencoe-McGraw Hill.

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

R* Petrina, S. (2010). Educational Testing Service. In C. Kridel (Ed.), *Encyclopedia of curriculum studies* (pp. 317-318). Thousand Oaks, CA: Sage.

R* Petrina, S. & Rusnak, P. (2010). Intelligence tests. In C. Kridel (Ed.), *Encyclopedia of curriculum studies* (pp. 487-488). Thousand Oaks, CA: Sage.

R* Petrina, S. (2010). Academic freedom. In C. Kridel (Ed.), *Encyclopedia of curriculum studies* (pp. 1-2). Thousand Oaks, CA: Sage.

R* Petrina, S., Bartosh, O., Guo, R. & Stanley-Wilson, L. (2008). ICT literacies and policies in teacher education: A survey of preservice teachers at the University of British Columbia, 2001-2004 (pp. 87-108). In T. Di Petta (Ed.), *The Emperor's new computer*. Amsterdam: Sense. (PI, 80% of authorship)

R* 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)

C. Refereed Articles (selected) (*SRG # 410-2006-1679& SRG #410-2009-2856)

R* Wang, Y., Petrina, S. & Feng, F. (in press). Designing VILLAGE (Virtual Immersive Language Learning Environment): Immersion and presence. *British Journal of Educational Technology*.

R* Petrina, S. (2015). "Scientific Ammunition to Fire at Congress:" Intelligence, reparations and the US Army Air Forces, 1944-1947. *Vulcan: International Journal of the Social History of Military Technology*, *1*(2). 57 pp

R* Petrina, S. (2012). The new critiquette and old scholactivism: On academic manners, managers, matters, and freedom. *Workplace: A Journal for Academic Labor*, 20, 17-57.

R 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. (co-I, 33% of authorship)

R* 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. (PI, 80% of authorship)

R* 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. (Supervisor, 33% of authorship)

R 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*, 1-23. (Supervisor, 33% of authorship)

R Nashon, S., Nielson, W. & Petrina, S. (2008). Whatever happened to STS? Preservice physics teachers and the history of quantum mechanics. *Science & Education*, *17*, 387-401. (Team Leader, 33% of authorship)

R Petrina, S. (2008). Medical liberty: Drugless healers confront allopathic doctors, 1910-1931. *Journal of Medical Humanities*, *29*(4), 205-230.

R* James, K. & Petrina, S. (2007). After-lifelong learning: A eulogium. *Taboo*, *10*(2), 5-23. (PI, 50% of authorship)

D. Other Refereed Contributions (selected) (*SRG # 410-2006-1679 & SRG #410-2009-2856)

R* Gutica, M. & Petrina, S. (2012). *Designing and implementing educational games: Engaging college students in research in education*. Paper presented at the annual meeting of the Society for the Study of Teaching and Learning, Montreal, 19-22 June.

R* Petrina, S. & Wang, Y. (in progress, 2014). Media, Technology & Design-Based Research: Designerly ways, means, and ends for maker culture. *International Journal of Technology and Design Education*.

Introduction to the Special Issue
1) Media, Technology, and Design-Based Research: Designerly Ways, Means, and Ends for Maker Culture (Stephen Petrina & Yifei Wang)

Feature Articles
2) Designing Immersive Language Learning Environments in Virtual Worlds (Yifei Wang, Stephen Petrina & Franc Feng)
3) Girls Designing Games, Media, Robots, Selves and Culture (PJ Rusnak & Stephen Petrina)
4) Designing Educational Games for Modeling Adaptive Emotional Agents: *Heroes of Math Island* (Mirela Gutica & Stephen Petrina)
5) Designing Chatbots for Learning (Yifei Wang & Stephen Petrina)
6) Emotional Design: Perspectives of Designers (Mirela Gutica & Stephen Petrina)

Maker Methodologies
7) Arts & Crafts-Based Research: Maker Methodology I (Stephen Petrina, Franc Feng, Jennifer Peterson, …)
8) Design-Based Research: Maker Methodology II (Stephen Petrina, Franc Feng, James Gauthier, Yifei Wang, Jennifer Zhao, others…)

Brief Articles
9) Design•Make•Play: Evocative and Disclosive Power (PJ Rusnak, Stephen Petrina, Franc Feng & Yifei Wang)
10) Teen Designs on Gaming in the Classroom (Peter Halim & Stephen Petrina)
11) Learning by Design: Youth Building and Programming Robots (Fareed Teja & Stephen Petrina)
12) Life with Aibo: On Robots (Lauren Hall & Stephen Petrina)
13) Concerns for the Good Life: Designing Practices and Things (Yu-Ling Lee & Stephen Petrina)
14) Demystifying Black Boxes: Design, Power and Technological Concern (Stephen Petrina & Richard Helem)
15) Still Life with Spoon: Dimensioning and Disclosing Technology (Franc Feng & Stephen Petrina)
16) Design & Engineering Cognition, Ethical Know-How and Law: Video Design-Based Research and Cyberbullying (Stephen Petrina, Franc Feng & Yifei Wang)

R* Petrina, S., Rusnak, PJ., Ecklund, K. & Kocher, M. (2010). *Storytellers, storymakers, learning, and ARGs: A Symposium*. First annual Digital Media and Learning conference. San Diego, CA, 18-20 February.
1. Petrina, S. (2010). End of gaming literacies : : Postliterate machineries. Paper presented at *Storytellers, storymakers, learning, and ARGs: A Symposium*. First annual Digital Media and Learning conference. San Diego, CA, 18-20 February. (10 pp.)

R* Hall, L. & Petrina, S. (2008). *Relationality, perceptions of technologies and ecological responsibility*. Paper presented at the annual meeting of the American Educational Research Association, New York, 22-29 March. (15 pp.)

R* Petrina, S., Compton, V., Feng, F., Hall, L., Kojima, D., Rusnak, PJ. & Trey, L. (2008, 2 June). *Methodologies for researching how people learn technologies*. Paper given at the annual conference of the Canadian Society for the Study of Education and Canadian Association for Curriculum Studies. Vancouver, BC, 30 May-3 June.

R* 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.

E. Non-Refereed Research Contributions (selected)

Petrina, S. (2010). Technology and (human) rights: Review of *Human rights in the global information society*. *Workplace, 17*, 1-3.

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.

Petrina, S. (2007). Technology and (human) rights: Review of *Human rights in the global information society*. *Science and Public Policy*.

3. Most Significant Career Research Contributions

R* Petrina, S. (2014). Postliterate machineries. In J. Dakers (Ed.), *New frontiers in technological literacy: Breaking with the past* (pp. 29-43). New York: Palgrave Macmillan.

R Petrina, S. (2007). *Advanced teaching methods for the technology classroom*. Hershey: Information Science, International. (400 pp.)

R* 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. (PI, 80% of authorship)

R Petrina, S. (2008). Medical liberty: Drugless healers confront allopathic doctors, 1910-1931. *Journal of Medical Humanities*, *29*(4), 205-230.