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THE UNIVERSITY OF BRITISH COLUMBIA

Brief Curriculum Vitae for Stephen Petrina

URL: blogs.ubc.ca/petrinacv

PRESENT RANK: Professor

Date: 18 October 2012

SINCE: 1 July 2007

Stephen Petrina is a Media and Technology Studies specialist and cultural historian. He is a Professor (Media & Technology Studies) in the Department of Curriculum and Pedagogy. I have authored or co-authored 110 publications, including 40 Refereed Articles to date, 14 Refereed Proceedings, 31 Scholarly Responses and Non-Refereed Publications, 6 Books, and 26 Book Chapters, in addition to dozens of technical reports. I was awarded \$1.5m in competitive research and infrastructure funds, some of which underwrote the design of 3 labs. I have supervised 63 graduate students to completion and am Supervisor of ten current graduate students, including nine Ph.D. students. My research program is diversified in three directions: The first direction is toward Cultural Studies and Science and Technology Studies (STS), where I focus on the history, philosophy and sociology of education, medicine, the psy-ences, and technology. My research into cyberculture, intellectual property rights, new media, and the automation of education is part of this trajectory as well. The second direction is toward Curriculum Studies and Research Methodology, where I am interested in academic freedom; the history, politics and sociology of curriculum and learning; and the production and testing of new research methodologies. The third direction is toward Digital Media and Learning, Educational Technology, and Design and Technology Education, where I address problems such as learning and cognition, as well as curriculum design. My future research will intensify along two lines: 1) Toward ethnographies and longitudinal measures of How We Learn (Media and Technology Across the Lifespan); and 2) Toward interrelations among Communications, Culture, Cognition, Emotion(s) and Media & Technology.

5. POST-SECONDARY EDUCATION

Table with 4 columns: University or Institution, Degree, Subject Area, Dates. Rows include University of Maryland (PhD, Education Policy and Planning, 1994), University of Maryland (MA, Technology Studies, 1990), and California University of Pennsylvania (BS, Education, 1984).

Special Professional Qualifications

6. EMPLOYMENT RECORD

(b) At UBC

Table with 2 columns: Rank or Title, Dates. Rows include Assistant Professor (1996-2001), Associate Professor (2001-2007), and Professor (2007-Present).

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

Publications Record

1. Research Contributions Over the Last Six Years (2006-2012)

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)

- R*** Petrina, S. (in press, 2012). Postliterate machineries. In J. Dakers (Ed.), *Defining technological literacy: Towards an epistemological framework*, 2nd ed. (40 pp.). New York: Palgrave Macmillan.
- R*** Petrina, S. (2010). Cognitive science. 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)

- R*** Petrina, S. (2012). The new critique 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)
- R* Kim, J. & Petrina, S. (2006). Emotional laboring in the video game, *The Sims*: A curriculum of emotional experience. *Educational Insights*, 10(2), 84-94. (Supervisor, 50% of authorship)
- R Petrina, S. (2006). C&I high. *Journal of Curriculum and Pedagogy*, 3(2), 125-147.
- R Petrina, S. (2006). The medicalization of education: A historiographic synthesis. *History of Education Quarterly*, 46(1), 503-532.

D. Other Refereed Contributions (selected)

- 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., 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.
1. 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, 22 pp.
 2. 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, 28 pp.
 3. 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, 29 pp.
 4. 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, 18 pp.
 5. 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, 24 pp.
- 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.
- R 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. 337-349). Brisbane, QLD: Griffith University.

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*.
- Petrina, S. (2006). Review of *School commercialism: From democratic ideal to market commodity*. *Teachers College Record*.
- 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.

F. Forthcoming Contributions (selected)

- R Petrina, S. (2013). “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. & Feng, F. (in progress, 75%). *Techontologies: On the critical ontology of media & technology*. New York: Peter Lang.
- R Petrina, S. (in press, 2010). *Education, medicine, and the Psy-ences*. Charlotte, NC: Information Age Publishing (220 pp.).
- R* Petrina, S. (in progress 80%). *Twentieth century learning: The history of educational media and technology*. New York: Teachers College Press.
- R* Petrina, S. (in press, 2009). *The critical ontology of technology: New methodologies*. New York: Peter Lang.
- * Feng, F. & Petrina, S. (in progress, 2009). The flesh is willing but the spirit is weak. In S. Petrina & F. Feng (Eds.). *Technology, Religion, Spirituality & the Sacred*. New York: Routledge. 30 pp.

- * Petrina, S., Castro, J., Feng, F., Hall, L. James, K., Kojima, D., Rusnak, PJ & Trey, L. (accepted / revision May 2008). On learning and the learning arts, sciences and technologies. *Learning Inquiry* (35 pp.)

2. Other Research Contributions

- Petrina, S. (2010). *SOUL (Slow Online & Ubiquitous Learning)*. Vancouver: Tech-no Printing Press. (e-Book). 4 pp.
- Petrina, S. (2010). *On critique*. Vancouver: Tech-no Printing Press. (e-Book). 15 pp.
- Petrina, S. (2006). *Qualitative research primer*. Vancouver: Tech-no Printing Press. (e-Book). 19 pp.

3. Most Significant Career Research Contributions

- R*** Petrina, S. (2012). Postliterate machineries. In J. Dakers (Ed.), *Defining technological literacy: Towards an epistemological framework*, 2nd ed. (40 pp.). 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.