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Website: <https://sites.google.com/a/ualberta.ca/rick-szostak/>

Place and Date of Birth: Vancouver, Canada, October 27, 1959.

Citizenship: Canadian

Doctoral Studies:

Northwestern University, Evanston, Illinois, USA

PhD in Economics, August 1985

Dissertation: "The Role of Transportation in the Industrial Revolution: A Comparison of Eighteenth Century England and France"

Advisor: Joel Mokyr

Pre-Doctoral Studies:

McGill University, Montreal, Quebec, Canada

BA in Economics, with First Class Honours, 1980

University Scholar, 1977-78, 1978-79

Academic Positions:

2006-07: Visiting Fellow; Dept of History and Civilization, European University Institute, Florence

1997- present: Full Professor, Economics Department, University of Alberta

1992-97: Associate Professor, Economics Department, University of Alberta

1991-92: Visiting Fellow, School of Economics, University of New South Wales

1986-92: Assistant Professor, Economics Department, University of Alberta

1985-86: Visiting Assistant Professor, Economics Department, University of Alberta

Spring 1985: Instructor; International Economics, Northwestern University

Fields of Specialization:

Economic History

Ethics

History of Technology

Information Science

Interdisciplinary Theory and Practice

Methodology

Study of Science

World History

Research Activity and Publications:

Books (14: 8 single-authored, 6 co-authored):

Allen Repko, Rick Szostak & Michelle Buchberger, *Introduction to Interdisciplinary Studies*, 2nd ed. 2016, Thousand Oaks: Sage.

Rick Szostak, Claudio Gnoli, and Maria López-Huertas, *Interdisciplinary Knowledge Organization*, Berlin: Springer. 2016.

Allen Repko and Rick Szostak, *Interdisciplinary Research: Process and Theory*, 3rd ed., Thousand Oaks: Sage, 2016.

Allen Repko, with Rick Szostak and Michelle Buchberger, *Introduction to Interdisciplinary Studies*, 2014, Thousand Oaks: Sage.

Restoring Human Progress. Reading, UK: Cranmore Publications. 2012. 626p.

The Causes of Economic Growth: Interdisciplinary Perspectives, 2009, Berlin: Springer. 372p.

Unifying Ethics, 2005, University Press of America. 305p.

Gary Cross and Rick Szostak, *Technology and American Society: A History*, 2nd Ed., 2004, Upper Saddle River NJ: Prentice Hall Publishers, 350p.

Classifying Science: Phenomena, Data, Theory, Method, Practice, 2004, Dordrecht: Springer, 301 p.

A Schema for Unifying Human Science: Interdisciplinary Perspectives on Culture, 2003, Selinsgrove PA: Susquehanna University Press, 378p.

Econ-Art: Divorcing Art from Science in Modern Economics, 1999, London: Pluto Press, 256p.

Technological Innovation and the Great Depression, 1995, Boulder CO: Westview Press, 365p.

Gary Cross and Rick Szostak, *Technology and American Society: A History*, 1995, Englewood Cliffs NJ: Prentice Hall Publishers, 337p.

The Role of Transportation in the Industrial Revolution, 1991, Montreal: McGill-Queen's University Press, 331p.

Co-Edited Works (5):

Issues in Integrative Studies vol. 29 (2011); guest co-editor with Allen Repko.

Allen F. Repko, William H. Newell, and Rick Szostak, eds. *Case Studies in Interdisciplinary Research*, Thousand Oaks: Sage, 2012, 330p.

Issues in Integrative Studies vol. 26 (2008); guest co-editor with Allen Repko.

Craig Freedman and Rick Szostak, eds., *Tales of Narcissus: The Looking Glass of Economic Science*, New York: Nova Science, 2003, 301p.

Canada Confederation to Present: A History on CD-Rom, Chinook Multimedia, Sept., 2001; I was a member of a twelve person editorial board which commissioned and edited some 200 papers. [This project is now moving online, and I have offered to continue my editorial role as revisions and updates are pursued.]

Websites (6; 3 single-authored, 3 co-authored):

Interdisciplinary General Education (2016)

<https://sites.google.com/a/ualberta.ca/rick-szostak/about/interdisciplinary-general-education>

I drafted most of the text, and chaired the committee that developed this website. It is linked to from the Association for Interdisciplinary Studies website, and will eventually be moved onto the AIS website.

About Interdisciplinarity (2013; regularly updated since)

<https://sites.google.com/a/ualberta.ca/rick-szostak/research/about-interdisciplinarity>

I drafted most of the text, and chaired the committee that developed this website. It has been endorsed (and linked to and promoted) by the Association for Interdisciplinary Studies, and will eventually be moved onto the AIS website.

Basic Concepts Classification. (2010, revised 2013, regularly updated since) <https://sites.google.com/a/ualberta.ca/rick-szostak/research/basic-concepts-classification-web-version-2013>

This website outlines the basic structure of a new classification scheme I am developing. See also

Translation table: DDC [Dewey Decimal Classification] to Basic Concepts Classification. (2010, revised 2013):

<https://sites.google.com/a/ualberta.ca/rick-szostak/publications/ddc-to-bcc-translation-table-web-version-2013>

This website shows how entries in DDC (and Iconclass) can be translated into the Basic Concepts Classification.

The Integrative Levels Classification. Website of the Italian chapter of the International Society for Knowledge Organization. I am since 2007 one of a handful of contributors to this new interdisciplinary classification scheme which has incorporated key elements of my classifications of phenomena, theory types, and methods. www.iskoi.org/ilc

The Association for Interdisciplinary Studies Directory of Interdisciplinary PhD Programs in the United States. [I developed the criteria for inclusion, and made the final decisions on inclusion for each of the hundreds of programs listed. The website has been maintained and updated by myself and others since I created it in 2002]

<http://wwwp.oakland.edu/ais/resources/directory/>

Journal Articles (Full length) (41: 37 single-authored, 4 co-authored):

- "A Grammatical Approach to Subject Classification in Museums" Forthcoming, *Knowledge Organization*.
- "Interdisciplinarity and Adapted Physical Activity," Forthcoming, *Adapted Physical Activity Quarterly*.
- "Stability, Instability, and Interdisciplinarity." Forthcoming, *Issues in Interdisciplinary Studies*. 8970 words.
- "Interdisciplinary Best Practices for Adapted Physical Activity" *Quest* 68:1, 69–90, 2016.
- "Extensional Definition of Interdisciplinarity" *Issues in Interdisciplinary Studies*.33, 94-117, 2015.
- "Classifying Authorial Perspective" *Knowledge Organization* 42:7, 499-507, 2015.
- "A Pluralistic Approach to the Philosophy of Classification" *Library Trends*,63:3, 591-614, Winter, 2015.
- "Classifying the Humanities" *Knowledge Organization* 41:4, 263-75, 2014.
- "The Basic Concepts Classification as a Bottom-Up Strategy for the Semantic Web" *International Journal of Knowledge Content Development and Technology*, June 2014. www.ijkcdt.net
- "Classifying for Social Diversity" *Knowledge Organization* 41:2, 160-70, 2014.
- (Anna Pujadas Botey, Theresa Garvin and Rick Szostak) "Interdisciplinary Research for Ecosystem Management." *Ecosystems* 17:3, 512-21, 2014.
- "The State of the Field: Interdisciplinary Research" Invited contribution, *Issues in Interdisciplinary Studies* 31, 2013, 44-65.
- "Integrating Conceptions of Human Progress," *The Integral Review* 9:2, 349-83, June, 2013.
- (Anna Pujadas Botey, Theresa Garvin and Rick Szostak) "Clarifying the Concept of Interdisciplinary Work in Ecosystem Management Research" *Interdisciplinary Science Reviews*, 37:2, 161-78 (June, 2012).
- "Classifying Relationships" *Knowledge Organization* 39:3, May, 2012, 165-78.
- "Toward a Classification of Relationships." *Knowledge Organization* 39:2, March, 2012, 83-94.
- "Complex Concepts into Basic Concepts" *Journal of the American Society for Information Science & Tech.* 62:11, 2247-65 (2011).
- "Classifying Heterodoxy" *Journal of Philosophical Economics* 1:2, 97-126 (2008).
- "Classification, Interdisciplinarity, and the Study of Science" *Journal of Documentation* 64:3, 319-32 (2008).
- "Modernism, Postmodernism, and Interdisciplinarity" *Issues in Integrative Studies* 26, 32-83 (2007).
- "An Interdisciplinary Analysis of Economic Growth" *International Journal of Interdisciplinary Social Science* 2:3, 305-16 (2007).
- "How (and How Not) to Distinguish the Humanities from Social Science" *International Journal of the Humanities* 5:6, 69-80 (2007)
- "How and Why to Teach Interdisciplinary Research Practice" *Journal of Research Practice* 3:2, October (2007). Reprinted in Pantaneto Forum, Issue 40, Oct., 2010.
- "Economic History as It Is and Should Be; Toward an Open, Honest, Methodologically Flexible, Theoretically Diverse, Interdisciplinary Exploration of the Causes and Consequences of Economic Growth", *Journal of Socio-Economics* 35:4, 727-50 (2006).
- "Interdisciplinarity and the Teaching of Public Policy" *Journal of Policy Analysis and Management*.24:4, 853-63(Fall, 2005).
- (Kenneth Norrie and Rick Szostak) "Allocating Property Rights Over Shoreline: Institutional Change in the Newfoundland Inshore Fishery", *Newfoundland Studies* 20:2, 27-56 (Fall, 2005).
- "Evaluating the Historiography of the Great Depression: Explanation or Single-Theory Driven?" *Journal of Economic Methodology* 12:1, 35-61 (2005).
- "Classifying Scholarly Theories and Methods" *Knowledge Organization* 30:1, 20-35 (2003).
- "Comprehensive' Curricular Reform: Providing Students with an Overview of the Scholarly Enterprise" *Journal of General Education* 52:1, 27-49 (2003).
- "Classifying Natural and Social Scientific Theories" *Current Sociology* 51:1, 27-49 (2003).
- "Politics and the Five Types of Ethical Analysis" *International Journal of Politics and Ethics* 2:4, 275-90 (2002).
- "How to Do Interdisciplinarity: Integrating the Debate", *Issues in Integrative Studies* 20, pp. 103-22 (2002).
- "Putting Social Structure in its Place, Schematically" *Issues in Integrative Studies* 19, pp. 171-220 (2001).
- "Toward a Unified Human Science", *Issues in Integrative Studies* 18, pp. 115-57 (2000).
- "Unifying Human Science Schematically: The Case of Art" *NSSA Perspectives Journal*, 17:1, pp. 139-51 (2000).
- "A Schema For Unifying Human Science: Application to Health and Population" *Perspectives*. Electronic journal, American Association for Behavioral and Social Sciences. <http://aabss.org/journal> 22msp. (2000).
- "The Economic Impacts of Road and Waterway Improvements" *Transportation Quarterly*, pp. 127-42 (Fall, 1996).
- "The History of Art and the Art in Economics" *History of Economics Review*, pp. 70-107 (Summer 1992).
- (Michael B Percy and Rick Szostak) "The Political Economy of the Abolition of Seigneurial Tenure in Canada East" *Explorations in Economic History* 29:1, pp. 51-68 (January 1992).
- "Institutional Inheritance and Early American Industrialization" *Research in Economic History*, Supplement, pp. 287-308 (1991).
- "The Organization of Work: The Emergence of the Factory Revisited" *Journal of Economic Behavior and Organization* 11:3, 343-58 (1989).

Brief Journal Articles (Comments, Replies, Introductions) (14: 11 single-authored, 3 co-authored):

- (Tami Carmichael, Jennifer Dellner, and Rick Szostak) "Report from the Field: Interdisciplinary General education." Forthcoming, 2017, *Issues in Interdisciplinary Studies*.
- "What is Lost?" (Comment) *Issues in Interdisciplinary Studies* 34, 209-13, 2016.
- "How universal is universality?" [Letter to the editor.] *Knowledge Organization* 41(6): 468-70, 2014.
- "Seeking Common Ground on the Nature of Interdisciplinarity" *Constructivist Foundations*. [Open Peer Commentary] Nov 2014.
- "The Importance of Knowledge Organization," *ASIST Bulletin*, April/May 2014, 37-42 (3300 words).
http://www.asis.org/Bulletin/Apr-14/AprMay14_Szostak.pdf
- "Research skills for the future: An interdisciplinary perspective." *Journal of Research Practice*, 9(1), Article V3 (2013). 5p.
<http://jrp.icaap.org/index.php/jrp/article/view/385/308>
- "Speaking Truth to Power in Classification" [response] (letter to editor) *Knowledge Organization* 40:1 (2013); 76-7
- (Allen Repko and Rick Szostak) "Editorial Introduction" *Issues in Integrative Studies* vol. 29 (2011); 1-3.
- "Comment on Hjørland's Concept Theory" (letter to editor), *Jrnl Amer Soc Information Science & Tech* 61:5,1076-7 (2010).
- (Allen Repko and Rick Szostak) "Editorial Introduction" *Issues in Integrative Studies* vol. 26 (2008); 1-4.
- "Interdisciplinarity and Classification: A Reply to Hjørland" *Journal of Documentation* 64:4, 2008 (letter to the editor).
- "Whither Interdisciplinarity?" [1250 word comment] *Issues in Integrative Studies* 24, 145-9 (2006).
- "Intuition and Interdisciplinarity: A Reply to Mackey", *Issues in Integrative Studies* 20, pp. 131-7 (2002).
- "Transportation Improvements and the Emergence of the Factory: A Reply to Jones" *Journal of Economic Behavior and Organization*, pp. 395-400 (December 1992).

Contributions to Edited Works (16: 14 single-authored, 2 co-authored):

- "Interdisciplinary research as a creative design process," in Frédéric Darbellay, Zoe Moody, Todd Lubart, Eds., *Creative Design thinking from an interdisciplinary perspective*, Berlin: Springer, 2017. Forthcoming.
- "Facet Analysis without Facet Indicators" in *Dimensions of Knowledge: Facets for Knowledge Organization*. Edited by Richard Smiraglia and Hur-li Lee. Wurzburg: Ergon, 2017. Forthcoming.
- "An Interdisciplinary Perspective on Heterodoxy" Invited chapter for *Handbook of Research Methods and Applications in Heterodox Economics* (Lee and Cronin eds., Edward Elgar publishers, 2016), 54-69.
- "Interdisciplinary and Transdisciplinary Multimethod and Mixed Method Research" Invited chapter for the *Oxford Handbook of Multimethod and Mixed Method Research* (Hesse-Bulber and Johnson eds.). Ch.8, pp. 128-43. 2015.
- "A Growth Agenda for Economic History" in, Greif, Keisling, and Nye, eds. *Institutions, Innovation, and Industrialization*. Princeton University Press. 2015, 245-73.
- "Communicating Complex Concepts" In O'Rourke, M., Crowley, S., Eigenbrode, S. D., Wulfhorst, J. D., eds. *Enhancing Communication and Collaboration in Interdisciplinary Research*. Thousand Oaks: Sage, 2013, 34-55.
- "Integrating Interdisciplinary Studies across the Humanities and Social Sciences," in Raphael Foshay, ed., *Valences of Interdisciplinarity*. Athabasca University Press, 2012, 165-88.
- "The Interdisciplinary Research Process," in Allen F. Repko, William H. Newell, and Rick Szostak, eds. *Case Studies in Interdisciplinary Research*, 2012, Thousand Oaks: Sage, 3-19.
- "An Interdisciplinary Analysis of the Causes of Economic Growth," in Allen F. Repko, William H. Newell, and Rick Szostak, eds. *Case Studies in Interdisciplinary Research*, 2012, Thousand Oaks: Sage, 159-89.
- (Allen F. Repko, William H. Newell, and Rick Szostak) "Preface," in Allen F. Repko, William H. Newell, and Rick Szostak, eds. *Case Studies in Interdisciplinary Research*, 2012, Thousand Oaks: Sage, xv – xxvi.
- "Transcending Discipline-Based Library Classifications" in *The Oxford Handbook of Interdisciplinarity* (2010). 180-1.
- "A Canadian and Collaborative Perspective: The Office of Interdisciplinary Studies at the University of Alberta," in Augsburg and Henry, eds., *The Politics of Interdisciplinary Studies*. McFarland Press, 2009. 212-26.
- (Tanya Augsburg, Stuart Henry, William H. Newell and Rick Szostak) "Conclusion," in Augsburg and Henry, eds., *The Politics of Interdisciplinary Studies*. McFarland Press, 2009. 227-56.
- "Confessions of an Ex-Beauty Queen: Some Simple Lessons for the Profession", in Craig Freedman and Rick Szostak, eds., *Tales of Narcissus: The Looking Glass of Economic Science*, New York: Nova Science, 2003, 237-46. That volume also reprinted my "The History of Art and the Art in Economics" (1992).
- "The Domestic Economy: An Overview" *Canada Since Confederation: A History on CD-Rom*, Chinook Multimedia, 2001, 90p.
- "The Meaning of Economic History: An Interdisciplinary Perspective", in Pat Hudson, ed., *Living Economic and Social History*, Glasgow: Economic History Society, 2001, pp. 357-61.

Contributions to ABC-Clio's Online Database for World History: The Modern Era (3 single-authored)

- "Economic and Social Impacts of the Automobile." November 2015. 3275 words.
- "What role did imperialism play in facilitating the Industrial Revolution in Great Britain?" July 2012.. 2730 words.
- "The Causes of the British Industrial Revolution" Nov 2011, 1350 words.

Articles in Conference Proceedings (18; 12 single-authored, 6 co-authored):

- "Theory versus Practice in Facet Analysis," *Faceted classification today: Theory, technology and end users: Proceedings of the International UDC Seminar 2017, London (UK), 14-15 Sept. 2017*. Eds. A. Slavic, C. Gnoli. Würzburg: Ergon Verlag, 259-69.
- (Richard Smiraglia and Rick Szostak) "Comparative approaches to facets in interdisciplinary KOSs: UDC and Basic Concepts Classification," *Proceedings of the International UDC Seminar 2017* (see above), 279-84.
- "Facet Analysis Using Grammar," for the *Proceedings of the North American Society for Knowledge Organization conference* (June 2017; Champaign IL). Forthcoming.
- (Rick Szostak and Richard Smiraglia) "Comparative Approaches to Interdisciplinary KOSs: Use Cases of Converting UDC to BCC," *Proceedings of the NASKO conference* (June 2017). Forthcoming.
- "Employing a Synthetic Approach to Subject Classification across Galleries, Libraries, Archives, and Museums," *Proceedings of the International Society for Knowledge Organization conference*, Rio de Janeiro, Sept., 2016.
- "The Simplest Approach to Subject Classification," *Proceedings of the IFLA satellite conference*, Columbus OH, Aug., 2016.
- "Poly-coordination." *Proceedings of the Annual Conference of the Canadian Association for Information Science*, Calgary, June 2016. <http://www.caais-acsi.ca/ojs/index.php/caais/issue/archive> [Should be posted soon.]
- "Synthetic classification of museum artifacts using basic concepts." *Proceedings of the Museums and the Web conference*, Los Angeles, April, 2016.
- (Rick Szostak and Claudio Gnoli) "Universality is Inescapable" *Advances in Classification Research 2014*, Proceedings of the ASIST SIG/CR Workshop, November 1, 2014, Seattle: <https://journals.lib.washington.edu/index.php/acro/article/view/14906>
- "Skepticism and Knowledge Organization" In Weislaw Babik, ed., *Knowledge Organization in the 21st Century: Between Historical Patterns and Future Prospects; Proceedings of the 2014 conference of the International Society for Knowledge Organization* (Krakow, May, 2014). Würzburg: Erlon Verlag.
- "Classification, Ontology, and the Semantic Web." *Advances in Classification Research 2013*, Proceedings of the ASIST SIG/CR Workshop, November 1, 2013, Montreal: <https://journals.lib.washington.edu/index.php/acro/article/view/14674>
- "Classification in Terms of Basic Concepts" *Advances in Classification Research 2012*, Proceedings of the ASIST SIG/CR Workshop, October 26, 2012, Baltimore. <http://journals.lib.washington.edu/index.php/acro/article/view/14234>
- "The Basic Concepts Classification" in Neelameghan, A. and Raghavan, K.S. (Eds.) *Categories, Contexts and Relations in Knowledge Organization, Proceedings of the Twelfth International ISKO Conference 6-9 August 2012 Mysore, India*. 24-30.
- (Claudio Gnoli, Tom Pullmann, Philippe Cousson, Gabriele Merli & Rick Szostak) "Representing the structural elements of a freely faceted classification," A. Slavic & E. Civallo eds. *Classification and ontology: Formal approaches and access to knowledge: Proceedings, International UDC Seminar (19-20 Sept 2011, The Hague)*, Würzburg: Ergon, 2011, p. 193-206.
- "Universal and Domain-specific Classifications from an Interdisciplinary Perspective" Claudio Gnoli and Fulvio Mazzochi, eds., *Paradigms and Conceptual Systems in Knowledge Organization: Proceedings of the 2010 conference of the International Society for Knowledge Organization* (Rome, February, 2010). Würzburg: Erlon Verlag, pp. 71-7.
- (Rick Szostak and Claudio Gnoli) "Beyond Aboutness: Classifying Causal Links in the Service of Interdisciplinarity" Proceedings, ASIST Special Interest Group on Classification Research Workshop, Vancouver, Nov. 7, 2009.
- (Claudio Gnoli and Rick Szostak) "Classifying by phenomena, theories, and methods: examples with focused social science theories," in *Culture and identity in knowledge organization*, proceedings of the 10th international ISKO conference, Montréal, 2008, Würzburg: Ergon, p. 205-211.
- "Interdisciplinarity and the Classification of Scholarly Documents by Phenomena, Theories, and Methods" in Blanca Rodriguez Bravo and Luisa Alvite Diez, eds., *Interdisciplinarity and Transdisciplinarity in the Organization of Scientific Knowledge: Actas del VIII Congreso ISKO-Espana* (Leon, April, 2007). Leon: University of Leon, 469-77.

Encyclopaedia Articles (17 single-authored):

ABC-Clio Encyclopaedia of World History (April, 2011):

"What Can We Learn From History?" Vol. 1; pp.41-6.

"Great Britain and its Continental Competitors in the Early Industrial Revolution" Vol. 15, pp. 636-9.

"Technology and the Early Industrial Revolution" Vol. 15, p.640. "Cotton versus Wool" [sidebar] Vol. 15, p. 641.

"The Organization of Industry: The Factory, Interchangeable Parts, Division of Labor" Vol. 15, pp. 649-50.

"Electricity and Its Uses" Vol. 16, 994-5. "Causes of the Great Depression" Vol. 18, 442-3

"The Great Depression in the United States" Vol. 18, 453-4. "The Assembly Line" Vol. 18, p. 697.

"Critiques of the Idea of Progress" Vol. 20, pp. 760-1.

Booms and Busts: An Encyclopedia of Economic History... (M.E. Sharpe, 2010):

"Economic Growth" (3100 words) "Technological Innovation" (2400 words)

Gale Encyclopaedia of the Great Depression (2004): "Science and Technology" Vol. 2, 865-70..

Scribner's Dictionary of American History (2003):

"The Great Depression" (3200 words) "Business Cycles" (3200 words)

Oxford Encyclopaedia of Economic History (2003):

"Road Transportation: Historical Overview" (3500 words) "Stephenson Family" (600 words)

Newsletter and Magazine Articles, Blog posts (17: 14 single-authored, 3 co-authored):

- "Coherence and Integration Throughout the Curriculum" *Newsletter of the Association for Integrative Studies*, October 2014, 1-7.
- "Blog post in reply to Kleineberg's 'The Blind Knowledge Organizers and the Elephant'" <http://www.iskoi.org/ilc/elephant.php>
- "Lessons from the First and Second Industrial Revolutions" *Chinese Social Sciences Today* (Chinese Academy of Social Sciences), November, 2013. <http://www.csstoday.net/tebiecehua/85668.html>
- "The NSF Ponders an Interdisciplinary Future" *Newsletter of the Association for Integrative Studies*, December, 2011.
- (Rick Szostak, Karen Moranski, Stuart Henry, & Jennifer Dellner) "Vignettes from San Diego" *AIS Newsletter*, December, 2010.
- (Julie Thompson Klein, Machiel Keestra and Rick Szostak) "Integration in IDR and TDR: Report from International TD-Net Conference in Berne" *AIS Newsletter*, March 2010, 1-5 (non-consecutive).
- "Advancing Interdisciplinarity: Reflections on the 2005 AIS Conference" *AIS Newsletter*, November, 2005
- "Reflective Interdisciplinary Teaching: Insights from the Drury Conference" *AIS Newsletter*, May, 2003
- "The AIS Directory of Interdisciplinary PhD Programs" *Newsletter of the Association for Integrative Studies*, March, 2003
- "Changing the way we elect MPs", *Policy Options*, Jan/Feb, 2001, pp. 31-4.
- "Technological Innovation and the Causes and Cures for Unemployment" *Policy Options*, July/August, 2000, pp. 30-2.
- "Lessons From the HRDC Scandal" *Policy Options*, June, 2000, pp. 65-8.
- "On Unifying Human Ethics" *Society for Values in Higher Education Newsletter*, April, 2000, p.20.
- (Bob Barnetson and Rick Szostak) "Alberta Advantage University: The ultimate in linking funding to performance in education" *Education Monitor*, Winter 1998, pp. 8-9.
- "Constitutional Reform Made Easy" *Policy Options*, December 1997, pp. 45-7.
- "The Significance of the 1993 Nobel Prize" *CABE News*, Winter 1994, p. 3.
- "A Senate for the Nation" *Policy Options*, October 1991, p. 13.

Digital Posters [Powerpoints for Conference with Online Component] (3)

- "Mapping Scholarship," "The 'About Interdisciplinarity' Website," and "The Association for Interdisciplinary Studies," all for First Global Conference on Research Integration and Implementation, Canberra and online, Sept., 2013.

Research Completed But Not Yet Published:

- World History: A Co-evolutionary Approach*. This book project combines and extends my research in economic history, knowledge organization, and interdisciplinarity. Under review.
- "Interdisciplinarity and Adapted Physical Activity" Invited paper for special issue of APAQ in 2018 from my keynote in 2016.
- "A Grammatical Approach to Museum Classification," for a special issue on museums in *Knowledge Organization*.

Research in Progress:

- I am organizing a Forum on "Organizing World History" for *World History Connected*, October 2017. Drafts of all papers – including my individual essay and introductory essay – have been completed. Minor revisions remain.
- Technology and American Society: A History* 3rd ed. Gary Cross and I have agreed to a contract with Routledge for Aug 2018.
- "Interdisciplinarity and the Historical Moment" Invited paper for a special issue of *Issues in Interdisciplinary Studies*.
- "Classification and Interdisciplinarity" This multifaceted project is part of an even larger research program focused on showing how interdisciplinary research is best performed, and in particular how it can be aided by the various classifications I have developed in previous work. I continue to develop my arguments that scholarly documents can and should be classified with respect to universal and exhaustive classifications of phenomena (and the relationships among these), theories, and methods. I am now applying this classification also to artifacts, works of art, archival documents, and the Semantic Web. Last but not least I continue to develop the Basic Concepts Classification.
- I also continue to do research on interdisciplinary best practices. One project here involves further developing the *About Interdisciplinarity* and *Interdisciplinary General Education* websites.
- I have floated an idea for a co-edited text in economic history.
- I have been invited to contribute a chapter to a book on secular ethics, though that project is now in limbo.

Awards for Research:

- McCalla Professorship, University of Alberta, 2001-2. This competitive award provided full release from teaching during the academic year in order that I could devote my time to research.

Review Essays (3 single-authored):

Review of Smiraglia and Lee, eds., "Cultural Frames of Knowledge," and Ibekwe-SanJuan and Dousa, eds., "Theories of Information, Communication and Knowledge: A Multidisciplinary Approach." *Knowledge Organization* 42:2, 129-33, 2015.

"Integrating History and Human Science," Review of Peter Burke's "History and Social Theory" 2nd ed. *Historical Methods*, Fall, 2006. (3500 words)

"Technology and Culture Revisited" review of Staudenmaier's "Technology's Storytellers" and LaFollette and Stine, eds., "Technology and Choice" *Social Studies of Science*, May 1992, 7p.

Book Reviews (39 single-authored):

Masood, Ehsan, *The Great Invention: The Story of GDP and the Making and Unmaking of the Modern World*. Forthcoming, *Canadian Studies in Population*.

Frickel, Scott, Mathieu Albert, & Barbara Prainsack, "Investigating Interdisciplinary Collaboration". *AIS Newsletter*, Dec, 2016

Fogel, Robert W., Enid M. Fogel, Mark Guglielmo, and Nathaniel Grotte, "Political Arithmetic: Simon Kuznets and the Empirical Tradition in Economics," *Canadian Studies in Population* 42, no. 3-4 (Fall/Winter 2015), 112-3.

Acemoglu, Daron and James A. Robinson, "Why Nations Fail: The Origins of Power, Prosperity, and Poverty," *Canadian Studies in Population* 42:1-2, 167-9 (2015).

Adelstein, Richard "The Rise of Planning in Industrial America. 1865-1914." *The Historian*, 75:4 (Winter 2013), 827-30..

Ashford, Nicholas and Ralph P. Hall, *Technology, Globalization, and Sustainable Development: Transforming the Industrial State*. Newsletter of the association for Interdisciplinary Studies, Oct., 2013.

Diener, Ed, John F. Helliwell, and Daniel Kahneman, eds. "International Differences in Well-Being." *Canadian Studies in Population* 39:3-4, 127-8

Lucas, Robert, Squire, & Srinivasan, eds. "Global Exchange and Poverty" *Canadian Studies in Population* 38:3/4, 166-8 (2011).

Clark, Gregory "A Farewell to Alms" *New Global Studies*, June, 2008.

Butterfield, Alice K. J. and Yossi Korazim-Körösy, eds., "Interdisciplinary Community Development" *AIS Newsletter*, May 2008.

Nye, David E. "Technology Matters: Questions to Live With" *EH-Net*, April, 2006. Archived at www.eh.net/bookreviews.

David Landes, "Prometheus Unbound, 2nd ed." *International Historical Review*, Summer, 2004.

Gene Smiley, "Rethinking the Great Depression", *The Historian*. Summer, 2004.

Hugh Miller, "Postmodern Public Policy", *Canadian Public Policy*, Fall, 2003.

Haim Ofek, "Second Nature: Economic Origins of Human Evolution" *Journal of Economic Literature*, December, 2002.

Alexander J. Field, "Altruistically Inclined?" *EH-Net*, June, 2002. Archived at www.eh.net/bookreviews.

John N, Vardalas, "The Computer Revolution in Canada: Building National Technological Competence", *Journal of Economic History*, March, 2002.

Elise S. Brezis and Peter Temin, eds., "Elites, Minorities, and Economic Growth", *EH-Net*, May 29, 2001. Archived at www.eh.net/bookreviews.

Thomas Thorburn, "Economics of Transport: The Swedish Case 1780-1980", *Journal of Economic History*, March, 2001.

Lena Andersson-Skog and Olle Krantz eds. "Institutions in the Transport and Communications Industries: State and Private Actors in the Making of Institutional Patterns, 1859-1990" *Journal of Economic History*, March, 2000.

Michael Bordo, Claudia Goldin and Eugene N. White eds. "The Defining Moment: The Great Depression and the American Economy in the Twentieth Century" *Business History Review*, Summer, 1998.

Andreas Kunz and John Armstrong eds. "Inland Navigation and Economic Development in Nineteenth Century Europe" *Journal of Economic History*, March 1999.

Dietmar Rothermund "The Global Impact of the Great Depression," *Journal of Economic History*, December 1997.

Mark Egnal "Divergent Paths: How Culture and Institutions Have Shaped N. American Growth," *Jrnl Canadian History*, Apr 1997.

Jean Gimpel "The End of the Future: The Waning of the High-Tech World" *Technology and Culture*, October 1996.

JM Blaut "The Colonizer's Model of the World" *Economic Development and Cultural Change*, April 1996.

Maurice W Kirby "The Origins of Railway Enterprise" *American Historical Review*, December 1995.

Reed G Geiger "Planning the French Canals" *Business History Review*, Fall 1995.

Ross Thomson, ed. "Learning and Technological Change" *Journal of Economic History*, March 1995.

TC Barker and Dorian Gerhold "The Rise and Rise of Road Transport" *Journal of Economic History*, June, 1994.

Elizabeth Monroe "The Wheeling Bridge Case" *Business History Review*, Summer 1994.

Robin Neill "History of Canadian Economic Thought" *Journal of Economic History*, September 1992.

Simon Ville "Transport and Economic Development in Europe 1700-1914" *Journal of Interdisciplinary History*, 1992.

Ross Thomson "The Mechanization of Shoe Production" *Journal of Economic Behavior and Organization*, October 1992.

Myron Gutmann "Toward the Modern Economy: Early Industry in Europe 1500-1800" *Labor History*, Summer 1991.

JMS Careless "Frontier and Metropolis" *Journal of Economic History*, June 1990.

EA Wrigley "Continuity, Chance, and Change" *Business History Review*, Autumn 1989.

Aldcroft and Freeman, eds "Transport in Victorian Britain" *Journal of Economic History*, September 1989.

Brian Young "In Its Corporate Capacity: The Seminary of Montreal as a Business Institution 1816-1876" *Journal of Economic History*, June 1988.

Reviews Of Author's Work:**Interdisciplinary Knowledge Organization (2016)**

Knowledge Organization (Dec. 2016)

Canadian Journal of Information and Library Science (Dec 2016)

Journal of the Association for Information Science and Technology (June 2017)

Case Studies in Interdisciplinary Research (2012)

Association for Integrative Studies Newsletter (May, 2012)

Classifying Science: Phenomena, Data, Theory Method, Practice (2004):

Journal of the American Society for Information Science (Fall, 2006)

International Journal of General Systems 35:4 (August, 2006)

Knowledge Organization (2006); again by different reviewer 39:4 (2012)

A Schema for Unifying Human Science (2003)

Knowledge Organization 39:4 (2012)

Econ-Art: Divorcing Art from Science in Modern Economics (1999):

Journal of Economic Methodology, 10:1 (2003)

History of Economics Review (Fall, 2001)

Capital and Class (Supplement, Winter, 2001)

Research in the History of Economic Thought and Methodology, v.19a (2001)

Association for Integrative Studies Newsletter (May, 2001)

Times Higher Education (October 1999)

Technological Innovation and the Great Depression (1995):

American Historical Review, v. 102 (1997)

Journal of Economic Literature (September 1997)

Reference and Research Book News v. 11 (1997)

Technology and Culture (July, 1997)

Journal of Interdisciplinary History (Spring 1997)

Canadian Book Review Annual (1996)

Technology and American Society: A History (1995, 2004):

The Browser (2012) <http://thebrowser.com/interviews/michael-lind-on-american-economic-history>.

Technology and Culture (Review Essay, April 1996)

Reference and Research Book News (August, 1995)

Choice (May 1995)

The Role of Transportation in the Industrial Revolution (1991):

Annales (Fall, 1998)

English Historical Review (November 1994)

Bulletin of Science Technology and Society (Vol 13.3)

American Historical Review (October 1993)

Archives (October 1993)

European History Quarterly (Fall 1993)

Canadian Journal of History (April 1993)

Canadian Book Review (February 1993)

Business History (January 1993)

Technology and Culture (October 1992)

Journal of Economic History (September 1992)

Albion (Fall 1992)

Journal of Interdisciplinary History (Fall 1992)

Journal of Transportation History (Review Essay, Fall 1992)

Choice (February 1992)

Grants:

Trans-Atlantic Platform Grant (via SSHRC), \$100,000, 2017-20, March 2017, for research on BCC and linked open data.

SSHRC grant awarded, \$17,000, 2005-8; April, 2005, for applications of my various classifications.

SSHRC grant awarded (but not funded due to funding shortage), April, 2002; also April, 2010. In the latter case I received \$7500 from the Vice-President Research at the University of Alberta in recognition of the SSHRC decision.

U of A grants for international conference travel, 1990, 1999, 2000, 2001, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2012, 2013, 2014.

U of A SAS grant for archival research in Washington, DC, 1993, and course release for Great Depression project.

U of A CRF grant for research assistant 1987, and SAS grant for archival research in Ottawa 1988 for project on The Abolition of Seigneurial Tenure in Quebec.

SSHRC research grants 1986 and 1987 for archival research in England and France, and course release for Transportation in the Industrial Revolution project.

Presentations

Keynote and Plenary Presentations (9):

Keynote: "Interdisciplinarity and Adapted Physical Activity" North American Federation of Adapted Physical Activity, Edmonton, September, 2016.

Keynote: "Developments in Interdisciplinary Research" 11th Mbarara University of Science and Technology Annual Research Dissemination Conference, Mbarara, Uganda, 16th December 2015

Plenary panel presentation: "About Interdisciplinarity" td-net conference, Berne, Switzerland, Sept., 2015.

Plenary address: "Interdisciplinary Research on Aging" First Intl Conf on Interdisc. Research on Aging, Mexico City, June, 2015.

Plenary address: "Strategies for Interdisciplinary Research" Interdisc. Social Sciences Conference, Vancouver, June, 2014.

Plenary panel presentation "The State of the Field Looking Forward", Association for Integrative Studies, Rochester MI, October 2012 [Also served as a discussant and moderated the conference wrap-up session]

Plenary panel presentation: "The State of the Field in Interdisciplinary Research", Association for Integrative Studies, Grand Rapids MI, October, 2011 [Also participated in two other panels and moderated the conference wrap-up session]

Keynote address: "Are There Best Ways of Doing Interdisciplinary Research?" Interdisciplinary PhD Students Association at/ & Dalhousie University [Also gave 1.5 hour workshop on 'How to Teach Interdisciplinary Research'] Halifax, May, 2011.

Keynote lecture "Interdisciplinarity and the Classification of Scholarly Documents by Phenomena, Theories, and Methods"; Italian chapter, International Society for Knowledge Organization, Milan, June 2007.

Paper Presentations (University seminars) (26):

"A General Phenomenon-Based Classification: Its Feasibility and Importance," University of Wisconsin, Milwaukee, March, 2016.

"Technology and Economic Growth," First Annual STS Lecture, University of Alberta, Edmonton, April, 2008.

"Interdisciplinary Perspectives on Economic Growth" Workshop on social economics, Univ. of the West Indies, Trinidad, Feb, 2008.

"Interdisciplinarity, Creativity, and Revolutionary Science" Seminar, University of Bielefeld, June, 2007.

"Institutional Change in the Newfoundland Fishery" Seminar, University of Siena, May, 2007

"Teaching Interdisciplinarity" Seminar, University of Toronto in Siena, March 2007.

"Institutional Change in the Newfoundland Fishery" Seminar, European University Institute, Florence, January, 2007

"Interdisciplinary Research" Religious Studies annual symposium 2004 and 2005, Comp Lit symposium 2005, University of Alberta

"Comprehensive Curricular Reform" Ball State University, Muncie, Indiana, January, 2004. [I spent two days on campus, also meeting with smaller groups to discuss possible reforms to their general education program]

"Classifying Science" Science and Humanities Circle, University of Alberta, January, 2003

"Unifying Human [Science and] Ethics" Faculty and graduate student seminars at George Washington University, Oct., 1999.

"Unifying Human [Science and] Ethics" Faculty seminar at St. Mary's University of Minnesota, September, 1999

"Unifying the Human Sciences" Professors Emeriti Association, University of Alberta, Oct. 1998

"Causes of the Industrial Revolution" University of Alberta Eighteenth Century Studies Group, March 1995.

"Technological Innovation and the Great Depression" Faculty seminars at the University of New South Wales, University of Newcastle, University of Western Australia, Curtin University, and Australian National University, 1991.

"New Views of the Industrial Revolution" presented at Murdoch University and La Trobe University, 1991.

"Technology and the Great Depression" Northwestern University, February 1989.

"Transport and the Industrial Revolution" London School of Economics, May, 1986

Paper Presentations (Economic History, Economics, and History Conferences) (25):

- "Drawing Lessons from World History" World History Association, Boston, June 2017. [Also organized and chaired session.]
- "Interdisciplinarity and World History" World History Association Regional Conference, Honolulu, Feb., 2017.
- "Organizing Devices for World History" World History Association, Ghent, Belgium, July, 2016.
- "Why not an 'Economic History' Text?" World Economic History Congress, Kyoto, Japan, August, 2015.
- "A Growth Agenda for Economic History" Conference in Honor of Joel Mokyr, Evanston IL, June 21-2, 2011.
- "A Growth Agenda for Economic History," Canadian Economics Association, Vancouver, June, 2008.
- "A Growth Agenda for Economic History," European Historical Economics Society, Lund, Sweden, June, 2007.
- "Networks and Economic Growth" Twelfth World Congress of Social Economics, Amsterdam, June, 2007.
- "The Role of Emerging Technologies in Generating Gains From Trade" Conference on Small Open Economies in a Globalizing World, Rimini, Italy, August/September, 2006.
- "Classifying Heterodoxy" Association for Heterodox Economists, London UK, July, 2006.
- "Behavioral Economics and the Broader Scholarly Enterprise" Soc. for Advancement of Behavioral Econ, Philadelphia, July, 2004.
- "Economic History as it is and should be" International Economic History Association, Buenos Aires, July, 2002.
- "Economic History as it is and should be" Canadian Economics Association, Calgary, June, 2002
- "Institutional Change in the Newfoundland Fishery" Fourth World Conference of Cliometrics, Montreal, July, 2000.
- "The Historiography of the Great Depression" History of Economics Society, Vancouver, July, 2000.
- "Institutional Change in the Newfoundland Fishery" Conference on Canadian Economic History, Kananaskis, Alberta, April, 1999. [also made a presentation on "Canada: From Confederation to Present"]
- "Canada: From Confederation to Present" Conference on Cdn Economic History, Niagara-on-the-Lake, Ontario, May 1997.
- "Technological Innovation and the Great Depression" Conference on Canadian Economic History, Vancouver, October 1992.
- "Technological Innovation and the Great Depression" Economic History Association, Boston, September 1992
- Two papers on the Industrial Revolution presented at the International Economic History Assoc., Leuven, Belgium, August 1990.
- "The Political Economy of the Abolition of Seigneurial Tenure" Conference on Canadian Economic History, Toronto, Oct. 1989
- "Institutional Inheritance and Early American Industrialization" Economic History Association, Washington, DC, September 1989.
- "The Political Economy of the Abolition of Seigneurial Tenure" Second World Conf. of Cliometrics, Santander, Spain, June 1989.
- "Transport in the Industrial Revolution" Colloquium on Transport in Pre-Industrial Europe, Brussels, May 1989.

Paper Presentations (Information Science Conferences) (18):

- "Facet Analysis Using Grammar," North American Society for Knowledge Organization, Champaign IL, June 2017..
- (Rick Szostak and Richard Smiraglia) " Comparative Approaches to Interdisciplinary KOSs: Use Cases of Converting UDC to BCC," North American Society for Knowledge Organization, Champaign IL, June 2017..
- "Employing a Synthetic Approach to Subject Classification across Galleries, Libraries, Archives, and Museums" International Society for Knowledge Organization, Rio De Janeiro, Sept 2016. [Visa didn't come on time, but in Proceedings]
- "The Simplest Approach to Subject Classification" International Federation of Library Associations, Columbus OH, Aug. 2016.
- "Poly-coordination" Canadian Association for Information Science, Calgary, June, 2016.
- "Classifying Authorial Perspective" North American Society for Knowledge Organization, Los Angeles, June, 2014.
- "Universality is Inescapable" ASIST Classification Research Group Workshop, Seattle, Nov., 2014.
- "Scepticism and Knowledge Organization" International Society for Knowledge Organization, Krakow, May, 2014.
- "Classifying the Humanities" Association for Information Science and Technology, Montreal, Nov., 2013.
- "Classification and Productivity" Panel presentation, Association for Information Science and Technology, Montreal, Nov., 2013.
- "Classification, ontology, and the semantic web," ASIST Classification Research Group Workshop, Montreal, Nov., 2013.
- "Classifying for Diversity" North American Society for Knowledge Organization, Milwaukee, June, 2013.
- "The Interdisciplinary Study of Information" American Society for Information Science and Technology, Baltimore, Oct, 2012
- "Classification in Terms of Basic Concepts" ASIST Classification Research Group Workshop, Baltimore, Oct, 2012.
- "Universal and Domain-specific Classifications from an Interdisciplinary Perspective" Intl Soc Knowledge Org, Rome, Feb., 2010
- "Beyond Aboutness: Classifying Causal Links in the Service of Interdisciplinarity" ASIST Special Interest Group on Classification Research 20th Workshop, Vancouver, November 7, 2009.
- "Classifying by phenomena, theories, and methods: examples with focused social science theories" The 10th International Society for Knowledge Organization conference, Montréal, August, 2008.
- "Interdisciplinarity and the Classification of Scholarly Documents by Phenomena, Theories, and Methods" Eighth conference of the Spanish chapter of the International Society for Knowledge Organization, Leon, Spain, April, 2007.

Paper Presentations (Interdisciplinary Conferences) (44):

- "Interdisciplinary General Education" 75-minute workshop with two colleagues; American Association of Colleges and Universities, Phoenix, Feb 2017.
- "Synthetic classification of museum artifacts using basic concepts" Museums and the Web conference, Los Angeles, April, 2016.
- "An Interdisciplinary Library Classification" Association for Interdisciplinary Studies, Andover MA, Oct, 2015.
- "Critical Thinking and Interdisciplinarity"; also "Best Practices in Interdisciplinary Research and Teaching" for pre-conference workshop and chaired 'State of the Field' opening plenary, Association for Interdisciplinary Studies, E. Lansing MI, Oct 2014.
- "Introduction to Interdisciplinary Studies" Panel presentation on new book, Association for Interdisciplinary Studies, Oxford, OH, Nov., 2013. [Also organized and chaired State of the Field and Past-Presidents panels, moderated conference wrap-up.]
- "Interdisciplinary Best Practices for Adapted Physical Activity" Workshop on Interdisciplinarity in APA, U. of Alberta, June, 2013
- "Internal Transport and Culture in Eighteenth Century Britain" Canadian Society for 18th Century Studies, Edmonton, Oct, 2012.
- "Classifying Theories, Methods, and Phenomena for Interdisciplinary Research" INIT Workshop, Utrecht, June 2011.
- "Concept Theory" Assoc. Integrative Studies, San Diego, Oct 2010 [also chaired panel, participated in another, chaired wrap-up]
- "Complex Concepts Into Basic Concepts" Enhancing Communication in Cross-Disciplinary Research, Couer d'Alene, Oct 2010.
- "Solving the Information Needs of Transdisciplinarians through Classification?" TD-Net, Bern, Switzerland, Nov. 21, 2009.
- "Evo-Devo and the Interdisciplinary Research Process" Conference on Integrating in Evo-Devo, UofA, Nov. 15, 2009.
- "The Interdisciplinary Research Process" Association for Integrative Studies, Tuscaloosa, AL, October, 2009.
- "Integrating Interdisciplinary Studies across the Humanities and Social Sciences," Conference on the Scope of Interdisciplinarity, Edmonton (sponsored by Athabasca University), November, 2008.
- "An Interdisciplinary System of Library Classification?" Association for Integrative Studies, Springfield IL, October, 2008.
- "Interdisciplinary Perspectives on Economic Growth," Association for Integrative Studies, Phoenix, September, 2007.
- "How (and How Not) to Distinguish the Humanities from Social Science," New Directions in the Humanities, Paris, July, 2007.
- "Interdisciplinary Perspectives on Economic Growth," 2nd Intl Conf on Interdisciplinary Social Science, Granada, Spain, July 2007
- "Creativity, Revolutionary Science, and Interdisciplinarity" European Association for the Study of Science and Technology, Lausanne, Switzerland, August, 2006.
- "Unifying Ethics" Society for Ethics across the Curriculum, Sarasota, November, 2005.
- "Teaching about Integration" Assoc. of American Colleges and Universities Integrative Learning Conference, Denver, Oct., 2005.
- "Postmodernism and Interdisciplinarity" Association for Integrative Studies, Fairfax, VA, Oct, 2005 [I also participated in three panels at that conference]
- "Unifying Ethics" Society for Values in Higher Education, Portland, OR, July, 2005
- "Teaching Interdisciplinarity" [organized session, and presented in it] Assoc. for Integrative Studies, Charlotte, NC, Oct, 2004.
- "Classifying Scholarship" Association for Graduate Liberal Studies Programs, Napa, CA, November, 2003.
- "Reflective Interdisciplinarity" Association for Integrative Studies, Detroit, October, 2003.
- "Classifying Science" Society for the Social Study of Science, Milwaukee, Nov., 2002
- "Giving Students the 'Big Picture'" Association for Integrative Studies, Springfield, MO, October, 2002
- "Classifying Science/ An Ethical Survey" Association for General and Liberal Studies, Louisville, KY, Oct, 2002.
- "Educating for Citizenship with a Comprehensive Curriculum," Assn of American Colleges and Univs, Washington, Jan. 2002.
- "Reforming Liberal Education by Redefining Interdisciplinarity," Assn of American Colleges and Univs, New Orleans, Jan. 2001.
- "Superdisciplinarity: A Simple Definition of Interdisciplinarity with Profound Implications?" Association for Integrative Studies, Portland, Oregon, October, 2000 [Also participated in a panel on interdisciplinary social science]
- "Unifying Human Ethics" Society for Values in Higher Education, Colorado Springs, Aug., 2000
- "Unifying Human [Science and] Ethics" Association for Integrative Studies, Naperville, IL, October, 1999
- "Applying A Schema For Unifying Human Science", National Social Science Association, Las Vegas, March, 2000.
- "Applying A Schema For Unifying Human Science", Amer Assn for Behavioral and Social Sciences, Las Vegas, January, 2000
- "A Schema for Unifying Human Science: Implications for Historical Research" Social Science Hist. Assoc., Fort Worth, Nov 1999
- "A Schema for Structuring Liberal Education" Association for General and Liberal Studies, Richmond, VA, October, 1999.
- "A Schema for Unifying Human Science: Implications for Historical Research" Canadian Historical Assoc., Edmonton, May 2000.
- "Unifying the Human Sciences" Centre for Interdisciplinary Research in the Liberal Arts Conference, Banff, Alberta, May, 1998.
- "Unifying the Human Sciences" Association for Integrative Studies, Boone, North Carolina, October 1997
- "An Interdisciplinary Analysis of Human Progress" Conference on the Future of the Liberal Arts, Banff, Alberta, May 1996.

Teaching:**Undergraduate:**

Economics: Canadian Economic Development (Economic History), European Economic Development (Economic History), Technology Institutions and Economic Growth, Introductory Microeconomics, Intermediate Microeconomics, International Economics, Development Economics, Transportation Economics

Interdisciplinary: INTD 222 "Interdisciplinarity," INTD 333 "Mapping Interdisciplinary Studies," INTD 225 "Globalization," STS 200 "Introduction to Science, Technology, and Society"

Graduate:

European Economic Development (Economic History)

Canadian Economic Development (Economic History)

Graduate Supervision:

Laura Ridenour, PhD Candidate, SLIS, Univ of Wisconsin, Milwaukee, Ongoing (Comprehensives passed, Dec., 2015)

Keynyn Brysse, Killam Postdoctoral Fellow, University of Alberta, 2012-4: Evidence, Interpretation, and Communication: Lessons from the Interdisciplinary Mass Extinction Debates.

Anna Pujadas Botey, Interdisciplinarity in Ecosystem Management. (Committee member, PhD in Earth and Atmospheric Sciences; Fall, 2007 – Aug 2010)

Aaron Braaten, Blogging and the Blogosphere: An Economic Analysis, Economics, MA, 2006.

Natalia Ivanova, Subjective Well-being: An Empirical Study Based on Canadian Data, Economics, MA, 2006.

Rebecca Adell, Creating Parliamentary Smoke: The Quest for a National Smoke Pollution Law in Nineteenth Century England, Member of PhD committee in the Department of History and Classics, 2005.

Davide Rossi, Regional Productivity Convergence Revisited: Italy, Economics, MA, 1998.

Barrie Hebb, A Re-Interpretation of the Canadian Wheat Boom (co-supervisor with K. Norrie), Economics, MA, 1997.

Wei Leong Ooi, The Semi-Strong Efficiency of the Hong Kong Stock Market, Economics, MA, 1995.

Fiona Tye, The Role of Exports in Economic Growth: Evidence from Time Series Data, Economics, MA, 1993.

Sinpoon Kutranon, Foreign Direct Investment and Spillover Efficiency in a Host Country's Economy: The Case of Thailand, Economics, MA, 1991.

Preston Poon, Learning and the North American Biotechnology Industry, Economics, MA, 1990.

Member of Matthew Eisler's PhD committee in the Department of History (Feb, 2005 – October 2007).

Graduate Thesis Examiner:

Eldar Sehic, Essays on Trade, Inequality, and Gravity, Economics PhD, 2015.

Lu Zhang, Three Essays on Financial Markets, Business (Finance) PhD, 2015.

Brian Gold, Protestant Self-reconstruction Businessmen in Korea. History PhD, 2014.

Jordan Vincent, Nuclear Disarmament in the Ukraine, History MA, 2013.

Chris Gainor The United States Air Force and the Emergence of the Intercontinental Ballistic Missile. History PhD, 2011.

Jordan Claridge, Horses for Work and Horses for War: The Divergent Horse Market in Late Medieval England. History and Classics MA, 2011.

Lech Lebedawski, Coal and Canvas; The Social and Technological Origins of the Steamship Era. History PhD, 2011.

Bettina Liverant, Buying Happiness: A Study in the Development of Canadian Consumer Culture. History and Classics.PhD,2007.

Brad Wuetherick, The Economic Impact of the Hundred Years War. History and Classics, MA, 2006.

Alvaro Pereira External Examiner for PhD Defence, Economics, Simon Fraser University, 2003.

Ruth Freeman, Transferable Water Rights in Alberta, Rural Economy, MSc, 1996.

John Staples, Defining Economic Boundaries: The Collapse of the Muscovy Company, 1607-1620, History,MA,1993.

Robert Carstensen, Anglo-French Relations in the Age of War: A Case Study of the Years, 1760-1761, History, MA, 1993.

Robin Close, The Quebec Act and Religious Toleration, Department of History, MA, 1993.

Robert Culham The Channel Tunnel Project 1875-1882: A Study of Public Sector Mismanagement, History, MA, 1992.

Ananta Mainaly, Factors Influencing Capital Formation in Subsistence Agriculture, Rural Economy, MSc, 1988.

[I have also served on several PhD proposal defence committees in History, Philosophy, Pediatrics, and the School of Business, and in the School of Information Science at the University of Wisconsin, Milwaukee. And I taught a graduate reading course to one student in Anthropology]

Administration:**University:**

Co-chair, Green and Gold Award Committee, 2014-5

SSHRC Mentor, 2009, 2013, 2015

Member, CAGFIL Grant Adjudication Committee, Oct, 2010, 2011

Served as Member of the External Review Team, Health Sciences Council, April, 2004

Served as mentor for University Teaching Services, 2000-3

Member, General Appeals Committee, 1998-99, 2002

Elected President, AAS:UA [Faculty Association], 1995-96, Vice-President 1994-95, Past President, 1996-97

Member, AAS:UA salary negotiation committee, 1992-94

Faculty of Arts:

Elected member, Decanal Review Committee, 2014-5

Co-chair, Arts Teaching Learning and Engagement Committee 2014-5

Elected member, Honours Committee, 2012 –4

Member, Advisory Council, Kule Institute for Advanced Research, 2010 –4

Member, Research Committee 2010 –2

Member, Arts Academic Information Technology Committee, 2011

Associate Dean, Interdisciplinary and International Studies, 2002-4; Associate Dean Academic 2004-5

Chair, Committee to Review B.A Program, 2000-1 (Drafted 22pp. report with some 20 recommendations)

Chair, Ad Hoc Committee to Implement Introductory Course, 1998-99

Chair, Academic Affairs Committee, 1997-99

Elected Member, Arts teaching committee, 1993-96

Member, Ad Hoc Committee on student orientation, 1993-94

Member, Ad Hoc Committee on interdisciplinarity, 1993-94

Member, Canadian Studies Committee, 1993-94

Office of Interdisciplinary Studies:

Acting Director, STS Program, 2010-12.

Director, Individualized Major/Minor Program, 2010 –12

Member, Office of Interdisciplinary Studies Strategic Planning Task Force, 2010-11

Member STS Council, 2005 – ; Chaired Committee to develop graduate program, 2007-9.

Department of Economics:

Chair, July 1 2017 --

Associate Chair (Undergraduate) 2012 –5

Chair, Department Newsletter Committee, 2000-2, 2007-8; member, 2008-9

Chair, Research Committee, 2011-2; Member, 2010-11

Member, Undergraduate Advising Committee, 1990-91, 2001-2, 2005-6; 2008-12; Honors Advisor, 1993-95

Member, Student Awards Committee, 2005-6.

Member, Undergraduate Curriculum Committee, 1987-90, 1992-94, 1998-2001

Member, PhD Economic Development Comprehensive Exam Committee, 1988, 1989, 1993, 1996

Member, Teaching Committee, 1992-94

Professional Activities:**Service to Organizations:**

Elected to two-year term on governing board, Association for Integrative Studies, 2000-2; Re-elected 2002-4; Elected Vice-President 2004-6. Re-elected to Board 2007-11. President-Elect 2010-11. President 2011-14. Past-President 2014 -

Member, Planning committee for first international conference of Intl Network for Interdisciplinarity and Transdisciplinarity, 2011.

Member, SSHRC Interdisciplinary Adjudication Committee, 2006, 2008

Appointed Member, Expert Panel, "Social and Economic Impacts of Gambling" Inter-provincial Cooperative Research Project; 2005-8.

Appointed to the Board of the Alberta Gaming Research Institute, 2001-6; Elected Chair of Audit Committee, May, 2002-2006.

Appointed to Advisory Committee, Society For the History of Technology, 1996-2001.

Elected President, Confederation of Alberta Faculty Associations, 1996-98.

Elected Treasurer, Confederation of Alberta Faculty Associations, 1994-95, 1995-96.

Past President, Confederation of Alberta Faculty Associations, 1998-2002. (Duties included membership of the Search Committee for Executive Director, Fall, 2000)

Co-organizer, Conference on Canadian Economic History, Montreal, April 1994, Member, Program Committee, Kananaskis, April 1999. Program committee for ISKO conferences 2010, 2014, 2016, NASKO conferences, 2011, 2013, 2015.

Organized panels and chaired wrap-up session at several Association for Integrative Studies conferences.

Refereeing:

Refereed book manuscripts for University of Toronto Press, University of Chicago Press, Princeton University Press, McGraw-Hill, and Routledge.

Provided detailed commentary on textbook on international political economy for Routledge (and then cover endorsement).

Refereed papers for *Issues in Integrative [now Interdisciplinary] Studies*, *Journal of Economic History*, *Journal of Political Economy*, *Journal of Economic Behavior and Organization*, *Canadian Public Policy*, *Journal of Historical Sociology*, *History of Intellectual Culture*, *The Journal of Policy History*, *The Journal of Socio-Economics*, the *Economic History Review*, *European Review of Economic History*, *Business History Review*, *Journal of Research Practice*, *International Journal of the Humanities*, *International Journal of Qualitative Methods*, *Knowledge Organization*, *Journal of Ecological Economics*, *Canadian Journal of Higher Education*, *Alberta Journal of Educational Research*, *Australian Economic History Review*, *Canadian Journal of Sociology*, *Journal of Research Evaluation*, *Palgrave Communications*, *Cogent Humanities*, *Canadian Journal of Information and Library Science*, *Sustainability Science*, *The Encyclopedia of Knowledge Organization*, and the *Handbook of Decision-Making* (Marcel Dekker).

Refereed grant proposals for the Social Sciences and Humanities Research Council of Canada, the National Science Foundation (U.S.), the Leverhulme Trust (UK), and the Swiss government.

External reference for promotion cases at the University of Guelph, the University of Texas, Arlington, Simon Fraser University, West Virginia University, the University of Edinburgh, the University of British Columbia, and the University of Hawaii.

External reference for tenure cases at Simon Fraser University, San Francisco State University, and Univ. of Texas, Arlington.

Served as a discussant at the Conferences on Canadian Economic History in Montreal in 1985 and 1994, Hamilton in 1987, and Kananaskis in 1999, the International Economic History Congress in Leuven, Belgium in 1990, the Canadian Economics Association conference in Calgary in June 1994 and June 2002, the Institute for Research on Public Policy conference on technology issues in Ottawa in May, 2000, the History of Economics Society meeting in Vancouver, June, 2000, the Association for Heterodox Economists meeting in London UK, July, 2006, and the Association for Integrative Studies conference, Tuscaloosa, AL, Oct., 2009.

Appointed to the editorial board, *Knowledge Organization*, 2016.

Media and Community:

Interviewed on camera for The National, July, 2009, regarding youth unemployment.

Interviewed on camera by Global, City-TV, in studio on Breakfast TV (City TV), by St Albert Gazette re federal budget, Jan 2009

Nominated as Liberal candidate, Edmonton Sherwood Park, February 2008 for October 14 election; various media interviews and speaking engagements. Nominated again in June, 2009 for 2011 election. Nominated in February 2012 as candidate provincially in Edmonton-Whitemud.

Interviewed by *Vue Weekly* and *Carleton University Charlatan* regarding Individualized Major, Nov, 2007.

Various interviews with *Edmonton Sun*, *Edmonton Journal*, CBC, CFRN, ITV news, and Access TV on economic, public sector, and university issues.

Interviewed by *Business Week* for brief article on the Great Depression, 1998; by *Wired Magazine*, December, 2008.

(With David Milner) Guest Column, *Edmonton Journal*, *Calgary Herald*, *Lethbridge Herald*, *Red Deer Advocate*, January 1998 (government funding of postsecondary education).

Appeared before the House of Commons standing committee on finance, the Senate Special Committee on post-secondary education, and the Standing Policy Committee of the Alberta Legislature on education during my tenure as CAFA President, 1996-8.

Drafted Submission of Education delegates (16p.); member of drafting committee for Municipalities/Academic/Schools/Health sector submission (30p.), both published in Final Report of the Alberta Growth Summit, October, 1997.

Guest Column, *Edmonton Journal*, March 1997, *Calgary Herald*, June 1997, (post-secondary education).

Panel Discussion, Shaw Cable (Winter 1995), (1-1/2 hours, future for high school students).

Panel Discussion, Access TV (Fall 1994), (2 hour, tenure, teaching).

Guest Column, *Edmonton Journal*, March 1994 (government cuts).

Spoke at Career and Placement Services Economics Forum (1990).

Gave talks on free trade to church/community groups in Edmonton, Spruce Grove, Sherwood Park, and Red Deer in 1988-89.

Interviewed on same topic by CBC-TV (1988), and *Edmonton Journal* (five-part series, 1988).

Membership in Professional Organizations:

Association for Interdisciplinary Studies (formerly Association for Integrative Studies)

Economic History Association

Economic History Society

International Society for Knowledge Organization

World History Association