CURRICULUM VITA

Connie Kendall Varnhagen
(Updated December, 2012)

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Education: A.A.S. (2009), San Juan College, Farmington, New Mexico
Ph.D. (1985), University of California, Santa Barbara, California
M.A. (1980), University of Notre Dame, Notre Dame, Indiana
B.A. (1977), Kenyon College, Gambier, Ohio

Professional Experience:

2004 – pres.: Professor, Department of Psychology
University of Alberta, Edmonton, Alberta
1993 – 2004: Associate Professor, Department of Psychology,
University of Alberta, Edmonton, Alberta
1992 – 1993: Adjunct Professor, Department of Psychology, University of Alberta
1987 – 1992: Social Sciences and Humanities Research Council
Canada Research Fellow, Department of Psychology,
University of Alberta
1983 – 1987: Post Doctoral Fellow, Developmental Disabilities Centre (formerly Centre
for the Study of Mental Retardation), University of Alberta

Administrative Positions:

2011 –   Academic Director, Undergraduate Research Initiative, University of Alberta
2005 – 2008: Faculty Associate, University Teaching Services, University of Alberta
2006 – 2007: Honors Advisor, Department of Psychology, University of Alberta
1999 – 2003: Associate Chair, Undergraduate Programs, Department of Psychology,
University of Alberta
1998 – 1999: Undergraduate Program Coordinator, Department of Psychology
University of Alberta
1994 – 1997: Honors Advisor, Department of Psychology, University of Alberta

1990 – 1991: Undergraduate Advisor, Department of Psychology, University of Alberta

Major Committee and University Experience:

2012 – present: Member, Visioning Committee, University of Alberta
2009 – 2010: Co-Chair, TLAT Subcommittee on Social Media
2007 – 2010: Committee on the Learning Environment
2007 – 2010: Co-Chair, CLE Subcommittee on Teaching, Research, and Discovery
                        Learning
2007 – 2010: Teaching, Learning, and Technology Council
2006 – 2010: University Coordinator for the Carnegie Academy for the Scholarship of
                        Teaching and Learning Undergraduate Research and the Scholarship of
                        Teaching and Learning Institutional Leadership Program
2006 – 2008   Faculty of Science, Science 100 Committee
2006 – 2008: Faculty of Science Information Technology Committee
2005 – 2008: Faculty Associate, University Teaching Services; Integration of teaching
                        and research
2004 – pres.: Faculty-based ICT Steering Committee, Computing and Network Services
2004 – 2010: Academic Standards Committee
2004 – 2010: General Faculties Council
2005 – 2008: Teaching and Learning Committee, Faculty of Arts (Co-Chair 2007-2008)
2006 – 2007: General Faculties Council Executive Committee
2006 – 2007: Teaching and Learning Enhancement Fund Adjudication Committee
2005 – 2006.: Faculty of Science IT Strategic Plan Committee
2005 – 2006: Committee on the Learning Environment Subcommittee on Teaching,
                        Learning and Technology, Vice Provost (Information Technology) and
                        Vice Provost (Academic Programs)
2005:   E-Learning Plan Development Working Committee, Vice Provost
                        (Information Technology)
2003 – 2004: Vice President (Research) Working Group on Teaching and Research
2004:   External Reviewer, Proposal for Accreditation of a 4-year BA Psychology
                        Program, Grant MacEwan College
2003:   External Reviewer, Proposal for Accreditation of a 4-year BA Psychology
                        Program, Taylor University College
2002 – 2003: Chair, Academic Affairs Committee, Faculty of Arts,
                        University of Alberta
2002:   External Reviewer, Proposal for Accreditation of a 4-year BSc Psychology
                        Program, Canadian University College
2000 – pres.: Graduate Teaching Mentor, University Teaching Program,
                        University Teaching Services, University of Alberta
1999 – pres.: New Faculty Mentor, University Teaching Services,
                        University of Alberta
1998 – pres.: Coordinator, Instructional Technology Lab, Department of Psychology,
                        University of Alberta
1995 – pres.: Peer Consultant, University Teaching Services, University of Alberta
1999 – 2002: Faculty Evaluation Committee, Faculty of Arts, University of Alberta

1996 – 2002: Teaching Committee, Faculty of Arts, University of Alberta
1993 – 1998: Undergraduate Curriculum Committee, Chair, Department of Psychology,
University of Alberta

Awards:

3M National Teaching Fellow, 2012
Faculty of Science Interdepartmental Science Students Society Professor Appreciation
Award, 2011
University of Alberta Rutherford Award for Excellence in Undergraduate Teaching, 2010
Faculty of Arts Undergraduate Teaching Award, 2003, University of Alberta
Department of Psychology Teaching Award, 1994, University of Alberta
University of California Regents Fellowship, 1982, U.C., Santa Barbara
Cum laude Graduate of Kenyon College
High Honors in Psychology, Kenyon College
Humanitarian Award, 1977, Kenyon College
Psychology Award, 1977, Kenyon College

Professional Affiliations:

American Psychological Association
Society for Teaching and Learning in Higher Education
Alberta Association of Animal Health Technologists

Teaching Experience:

ANSC 496 Research on the Human-Animal Bond
Science 100: Integrated Science; Full year, full course load program in Science
100-level Animal health science
100-level Introductory Psychology
200-level Developmental Psychology
200-level Statistics for Behavioural Sciences
300-level Honors Seminar: Proposing Research
400-level Statistics for Behavioural Sciences (taught through Statistics Department)
400-level Psychology of Language
400-level Advanced Topics in Developmental Psychology: Children and the Web
400-level Honors Seminars: Inferential Statistics, History of Psychology, Disseminating
Research
400-level Animal Health Science: Research on the human-animal bond
Graduate-level Topics in Applied Developmental Science

Student Supervision:

PhD Supervisor, 6 students (Psychology)
PhD Supervisory Committee Member, 21 students (18 Psychology, 3 Educational
        Psychology)
MSc Supervisor, 4 students (Psychology)
MA/MSc/MEd/MN Supervisory Committee Member, 16 students (1 Psychology, 4
        Educational Psychology, 5 Orthodontics, 4 Art & Design, 1 Nursing, 1
        Mathematics)
PhD/MA/Med Examining Committee Member, 21 students (11 Psychology, 6
        Educational Psychology, 1 Family Studies, 1 Computing Science, 1 Art and
        Design, 1 English)
Honors Thesis Supervisor, 40 students (Psychology)

Major Research Grants:

2011-present   Social Sciences and Humanities Research Council, Operating
               "Cyber-bullying at University: Students' and Faculty Members'
               Experiences and Solutions" (Wanda Cassidy, Simon Fraser University, PI)

2003-2009   Canadian Institutes for Health Research, Strategic Grant—Knowledge
               Translation Strategies for Health Research
               "Strategies for Critically Appraising Children's Health Web Resources"
               (PI, with Gay Bisanz, Jeff Bisanz, Department of Psychology, Terry
               Klassen, Pediatrics, Bonnie Sadler-Takach, Art and Design, and Laurie
               Schnirer, Canadian University Partnership).

2002-2005   Social Sciences and Humanities Research Council, Operating
               "Phonological Development and Children's Spelling."

2002-2004   Alberta Learning, Curriculum Redevelopment Fund,
               "The Great Canadian Psychology Web Site" (PI, with 8 other
               postsecondary institutions and ACCESS Network).

2001-2005   Networks of Centres of Excellence, Canadian Language and Literacy Network,
               "Measuring, Modeling, and Maximizing the Spoken Language Intelligibility and
               Spelling Strategies of Children with Dysarthria" (Co-Applicant, Megan Hodge,
               Speech Pathology and Audiology, Faculty of Rehabilitation Medicine, Terrance
               Neery, Linguistics, Faculty of Arts), three renewals.

1999-2003   Learning Enhancement Envelope, Advanced Education and Career Development,
               Government of Alberta (LEE 4)

"Development and Evaluation of Technologically Enhanced Supplements for Introductory Psychology" (PI, with 6 other post secondary institutions).

1998-2002   Learning Enhancement Envelope, Advanced Education and Career Development, Government of Alberta (LEE 3)
"Development and Evaluation of Technologically Enhanced Supplements for Introductory Psychology" (PI, with 5 other post secondary institutions).

1998-1999   Learning Enhancement Envelope, Advanced Education and Career Development, Government of Alberta (LEE 2)
"Supplements for Introductory Psychology" (University of Calgary, PI, and with Don Kuiken and Don Heth).

1997-1998   Learning Enhancement Envelope, Advanced Education and Career Development, Government of Alberta (LEE 1)
"Technology Enhanced Supplements for Introductory Psychology" (with Don Kuiken).

1997-2000   Social Sciences and Humanities Research Council, Operating
"Children's Spelling Development."

1994-1997   Social Sciences and Humanities Research Council, Operating
"Children's Spelling Development."

1989-1992   Natural Sciences and Engineering Research Council, Operating,
"Toward Developing Models of Literacy Skills."

1987   Health and Welfare Canada, Operating,
"Sexual Abuse of Individuals with Mental Handicaps" (with Dick Sobsey)

1987-1991   Social Sciences and Humanities Research Council, Canada Research Fellowship,
"Development of a Model of Reading Comprehension and Instruction"

1986-1989   Natural Sciences and Engineering Research Council, Operating,
"Logical Relations and Comprehension of Expository Prose."

Major Research Interests:

Critical Appraisal and the Web
The Web is a vast repository for information, entertainment, and communication, including the latest information of gold standard treatment of devastating diseases, wonderful resources on music and entertainment, and tools for communication with people all over the world. The Web is also unorganized and unregulated. Children

and youth can access pornography and hate, and can bully and be bullied, stalked, and lured. The goals of this programme of research are to better understand how people (fail to) critically appraise resources on the Web and develop ways to support children, youth, and adults as they access these resources.

Instructional Technology

I am very interested in instruction and improving teaching and learning. Computer technology has the potential to expand learning opportunities but it must be matched with pedagogical goals. In this research programme, I am working on understanding how people learn with technology. My long-term goals are to advance theories of instruction and develop appropriate instructional materials and technology.

Spelling

I am generally interested in literacy development. I began my research in reading comprehension and have gradually shifted to basic processes in spelling. My current research programme considers cognitive development as it relates to children's spelling and interrelationships between spelling and technology. My long-term goals are to understand spelling development, help advance theories of cognitive development, and design instruction, materials, and technology that maximize the acquisition of this important literacy skill.

Applied Research

People often make important decisions without empirical data. Given my empirical training and interests, I enjoy assisting in applied research into societal issues and practical decision-making. I am beginning to engage in research on the human-animal bond and how it affects physical and mental health and well being.

Refereed Journal Articles:

Kendall, C.R., Borkowski, J.G., & Cavanaugh, J.C. (1980). Metamemory and the transfer of an interrogative strategy by EMR children. *Intelligence, 4*, 255-270.

Goldman, S.R., & Varnhagen, C.K. (1983). Comprehension of stories with no obstacle and obstacle endings. *Child Development, 54*, 980-992.

Goldman, S.R., Reyes, M., & Varnhagen, C.K. (1984). Understanding fables in first and second languages. *Journal of the National Association for Bilingual Education*, *3*, 35-66.

Borkowski, J.G., & Varnhagen, C.K. (1984). Transfer of learning strategies: Contrast of self-instructional and traditional training formats with EMR children. *American Journal of Mental Deficiency, 88*, 369-379.

Varnhagen, C.K., & Goldman, S.R. (1986). Improving comprehension: Causal relations instruction for learning handicapped readers. *The Reading Teacher, 39*, 896-904.

Goldman, S.R., & Varnhagen, C.K. (1986). Memory for embedded and sequential episodes in stories. *Journal of Memory and Language*, *25*, 401-418.

Varnhagen, C.K., Das, J.P. & Varnhagen, S.J. (1987). Auditory and visual memory span: Cognitive processing by Down Syndrome and other etiology TMH individuals. *American Journal of Mental Deficiency, 91*, 398-405.

Varnhagen, C.K., Lewin, S., Das, J.P., Bowen, P., Ma, K., & Klimek, M. (1988). Neurofibromatosis and psychological processes. *Journal of Developmental and Behavioral Pediatrics, 9*, 257-265.

Varnhagen, C.K., & Zumbo, B.D. (1990). CAI as an adjunct to teaching introductory statistics: Affect mediates learning. *Journal of Educational Computing Research*, *6*, 29-40.

Svenson, L.W., & Varnhagen, C.K. (1990). Knowledge, attitudes and behaviours related to AIDS among first year university students. *Canadian Journal of Public Health, 81*, 139-140.

Varnhagen, C.K., Svenson, L.W., Godin, A.M., Johnson, L., & Salmon, T. (1991). Sexually transmitted diseases and condoms: High school students' knowledge, attitudes and behaviours. *Canadian Journal of Public Health, 82*, 129-132.

Svenson, L.W., Varnhagen, C.K., Godin, A.M., & Salmon, T. (1991). Installing condom machines in high schools. *The Canadian School Executive, 10*, 13-16.

Varnhagen, C.K. (1991). Text relations and recall for expository prose. *Discourse Processes, 14*, 399-422.

Bisanz, G.L., Das, J.P., Varnhagen, C.K., & Henderson, H.R. (1992). Structural components of reading time and recall for sentences in narratives: Changes with age and reading ability. *Journal of Educational Psychology, 84*, 103-114.

Svenson, L.W., Varnhagen, C.K., Godin, A.M., & Salmon, T.L. (1992). Rural high school students' knowledge, attitudes and behaviours related to sexually transmitted diseases. *Canadian Journal of Public Health, 83*, 260-263.

Varnhagen, C.K., Varnhagen, S.J., & Das, J.P. (1992). Analysis of cognitive processing and spelling errors of average ability and reading disabled children. *Reading Psychology, 13*, 217-239.

Varnhagen, C.K., Morrison, F.J., & Everall, R. (1994). Age and schooling effects in story recall and story production, *Developmental Psychology*, *30*, 969-979.

Weaver, N.E., Major, P.W., Glover, K.E., Varnhagen, C.K., & Grace, M. (1996). Orthodontists' perceptions of need for jaw surgery. *International Journal of Adult Orthodontics & Orthognathic Surgery, 11*, 49-56.

Svenson, L.W., Carmel, S., & Varnhagen, C.K. (1997). A review of the knowledge, attitudes and behaviours of university students concerning HIV/AIDS. *Health Promotion International, 12*, 61-68.

Varnhagen, C.K., McCallum, M., & Burstow, M. (1997). Is children's spelling naturally stage-like? *Reading and Writing, 9*, 451-481.

Varnhagen, C.K., Drake, S.M., & Finley, G. (1997). Teaching statistics with the Internet. *Teaching of Psychology, 24*, 275-278.

Weaver, N., Glover, K., Major, P., Varnhagen, C.K., & Grace, M. (1998). Age limitation on provision of orthopedic therapy and orthognathic surgery. *American Journal of Orthodontics and Dentofacial Orthopedics, 113*, 156-164.

Steffler, D.J., Varnhagen, C.K., Friesen, C.K., & Treiman, R. (1998). There's more to children's spelling than the errors they make: Strategic and automatic processes for one-syllable words. *Journal of Educational Psychology, 90*, 492-505.

Tram, J.M.D., & Varnhagen, C.K. (1998). Questions in a research setting. *Alberta Journal of Educational Research, 44,* 408-415.

Parent, M.B., Varnhagen, C.K., & Gold, P.E. (1999). A memory-enhancing emotionally-arousing narrative increases blood glucose levels in human subjects. *Psychobiology, 27,* 386-396.

Varnhagen, C.K., Boechler, P.M., & Steffler, D.J. (1999). Phonological and orthographic influences on children's vowel spelling. *Scientific Studies of Reading, 3,* 363-379.

Varnhagen, C.K. (2000). Shoot the messenger and disregard the message? Children's attitudes toward spelling. *Reading Psychology, 21,* 115-128.

Blake, T., Varnhagen, C,K,, & Parent, M. B. (2001). Emotionally-arousing pictures increase blood glucose levels and enhance recall. *Neurobiology of Learning and Memory, 75,* 262-275.

Varnhagen, C.K., & Digdon, N. (2002). Helping students read reports of empirical research. *Teaching of Psychology, 29,* 160-165.

McMullin, J., Varnhagen, C.K., Heng, P., & Apedoe, X. (2002). Effects of surrounding information and line length on text comprehension from the Web. *Canadian Journal of Learning and Technology, 28*, 19-30.

Roth, S.F., Heo, G., Varnhagen, C.K., Glover, K.E., & Major, P.W. (2003). Occupational stress among Canadian Orthodontists. *The Angle Orthodontist, 73,* 43-50.

Roth, S.F., Heo, G., Varnhagen, C.K., Glover, K.E., & Major, P.W. (2003). Job satisfaction among Canadian Orthodontists. *The American Journal of Orthodontics and Dentofacial Orthopedics, 123,* 695-700.

Figueredo, L., & Varnhagen, C.K. (2004). Detecting a problem is half the battle: The relation between error type and spelling performance. *Scientific Studies of Reading, 8,* 337-356.

Roth, S.F., Heo, G., Varnhagen, C.K., Glover, K.E., & Major, P.W. (2004). Relationship between occupational stress and job satisfaction in orthodontists. *The Journal of Orthodontics and Dentofacial Orthopedics, 126,* 106-109.

Varnhagen, C., Mansour, J., Greene, T., Kwong, T., Colter, J., Anderson, K., & Arkinson, B. (2004). Developing and implementing online information literacy tutorials in large undergraduate classes. *Proceedings of World Conference on Educational Multimedia, Hypermedia & Telecommunications Proceedings (ED-MEDIA 2004),* 2316-2322.

Kwong, T. E., & Varnhagen, C. K. (2005). Strategy development and learning to spell new words: Generalization of a process. *Developmental Psychology, 41,* 148-159.

Varnhagen, C. K., Gushta, M., Daniels, J., Peters, T. C. A., Parmar, N., Law, D., Hirsch, R., Sadler Takach, B., & Johnson, T. (2005). How informed is online informed consent? *Ethics and Behavior, 15,* 37-48.

Figueredo, L., & Varnhagen, C.K. (2005). Didn't you run the spell checker? Effects of type of spelling error and use of a spell checker on perceptions of the author. *Reading Psychology, 26,* 441-458.

Figueredo, L., & Varnhagen, C.K. (2006). Spelling and grammar checkers: Are they intrusive? *British Journal of Educational Technology, 31*, 721-732.

Varnhagen, C.K., & Wright, D.L. (2008). Learning characteristics of distance education and on campus veterinary technology students. *Journal of Veterinary Medical Education, 35,* 449-455.

Varnhagen, C.K., McFall, G.P., Figueredo, L., Sadler Takach, B., Daniels, J., & Cuthbertson, H. (2009). Spelling and the Web. *Journal of Applied Developmental Psychology, 30,* 454-462

Varnhagen, C.K. (2009). Correction of a canine left-to-right shunting patent ductus arteriosus with an Amplatz canine ductal occluder. *Veterinary Technician, 30(10),* 32-34, 36-37.

Varnhagen, C.K., McFall, G.P., Pugh, N., Routledge, L., Sumida-MacDonald, H., & Kwong, T. E. (2010). lol: New language and spelling in instant messaging. *Reading and Writing 23,* 719-733.

Hogan, N., & Varnhagen, C. K. (2012). Critical appraisal of information on the Web in practice: Undergraduate students' knowledge, reported use, and behaviour. *Canadian Journal of Learning and Technology,38*(1), http://cjlt.csj.ualberta.ca/index.php/cjlt/article/view/611/330

Book Chapters:

Varnhagen, C.K., & Pellegrino, J.W. (1985). Intelligence: Perspectives, theories and tests. In T. Husen and T.N. Postlethwaite (Eds.), *International encyclopedia of education: Research and studies*. Oxford: Pergamon.

Pellegrino, J.W. & Varnhagen, C.K. (1985). Abilities and aptitudes. In T. Husen and T.N. Postlethwaite (Eds.), *International encyclopedia of education: Research and studies*. Oxford: Pergamon.

Das, J.P., & Varnhagen, C.K. (1986). Neuropsychological functioning and cognitive processing. In J.E. Obrzut and G.W. Hynd (Eds.), *Child neuropsychology*, *Vol. 1*: *Theory and research* (pp. 117-140). New York, NY: Academic Press.

Varnhagen, C.K. (1986). Review of Test of Written Spelling. In D.J. Keyser and R.C. Sweetland (Eds.), *Test critiques*, *Vol. V* (pp. 485-493). Kansas City, MO: Test Corporation of America.

Sobsey, D., & Varnhagen, C.K. (1989). Sexual abuse and exploitation of people with disabilities: Toward prevention and treatment. In M. Csapo and L. Gougen (Eds.), *Special education across Canada: Challenges for the 90s* (pp. 199-218). Vancouver, BC: Centre for Human Development and Research.

Sobsey, D., & Varnhagen, C.K. (1991). Sexual abuse and exploitation of disabled individuals. In. C.R. Bagley and R.J. Thomlinson (Eds.), *Child sexual abuse: Prevention, assessment and treatment* (pp. 203-216). Toronto, ON: Wall & Emerson.

Varnhagen, C.K. (1995). Children's spelling strategies. In V.W. Berninger (Ed.), *The varieties of orthographic knowledge II: Relationships to phonology, reading, and writing* (pp. 251-290). Boston, MA: Kluwer Academic Publishers.

Varnhagen, C.K. (2007). Children and the Web. In J. Gackenbach (Ed.), *Psychology and the Internet,* 2nd Ed (pp. 25-42). New York: Academic Press.

Book:

Varnhagen, C.K. (2002). *Making sense of Psychology on the Web.* New York: NY: Worth Publishers. [Includes Research Assistant HyperFolio software].

Multimedia:

Varnhagen, C.K. (1998). *Research and Teaching Showcase* [Website]. Monterey, CA: Brooks/Cole. No longer maintained (29 research report summaries with guide for instructors and links for students). Example retrieved May 22, 2003 from http://www.psych.ualberta.ca/~varn/bc/Chorney.htm

Varnhagen, C.K. (1998). *PLUS* for Gray's *Psychology, 3rd Ed.* [CD-ROM/Web]. New York, NY: Worth Publishers.

Varnhagen, C.K. (2000). Research Projects for *Psychology OnLine* [Website]. New York, NY: Worth Publishers. Retrieved May 22, 2003 from http://www.worthpublishers.com/gray3e/

Varnhagen, C.K. (2000). *Ask a Psychologist* [Website]. *WebCT Hub.* Forum no longer maintained (some resources remain). Retrieved May 22, 2003 from http://www.webct.com/psychology/

Ludwig, T.E., & Varnhagen, C.K. (2001). *Research in Focus: PsychInquiry for Gray's Psychology, 4th Ed.,* [CD-ROM]. New York, NY: Worth Publishers.

Varnhagen, C.K. (2003-2005). *Information literacy tutorials in Psychology*. http://www.psych.ualberta.ca/~ITL/InformationLiteracy/WebPages

Ludwig, T.E., & Varnhagen, C.K. (2006). *Focus on Research: PsychInquiry for Gray's Psychology, 5th Ed.,* [CD-ROM]. New York, NY: Worth Publishers.

Varnhagen, C.K., & others (2006-2009). Great Canadian Psychology Website, http://www.greatcanadianpsych.ca

Schwanke, A., & Varnhagen, C.K. (2011). Information Literacy 2.0.
http://www.psych.ualberta.ca/~ITL/InfoLit%20v.2.0/

Final Reports:

Sobsey, D., & Varnhagen, C.K. (1988). *Sexual abuse and exploitation of people with disabilities*. Final report for Child Sexual Abuse Initiative, Health and Welfare Canada.

Varnhagen, C.K., & Mottram, M.A. (1990). *Evaluation of the Early Reading Intervention program in the St. Albert Separate School System*. Final report for the St. Albert Separate School Board.

Varnhagen, C.K. (1998). *intro.psych: Technologically enhanced supplements for introductory psychology*. Final report for Alberta Advanced Education and Career Development, Learning Enhancement Envelope (LEE 1), Initiative 11.

Varnhagen, C.K. (2000, June). *Development and evaluation of technologically enhanced supplements for introductory psychology*. Final Report for Learning Enhancement Envelope (LEE) III.

Hoddinott, J., Varnhagen, C., Varnhagen, S., Campbell, K. (2002). *Quality improvement in first year large enrolment courses.* A report submitted in fulfillment of the University Teaching Research Grant #02-1.

Working Group on Teaching and Research (2004). *Integrating teaching and research at the University of Alberta: Creating a foundation for an inquiry-based life.* Report to the Provost and Vice-President (Academic), the Vice-President (Research), and the General Faculties Council (through the GFC Committee on the Learning Environment).

Varnhagen C.K. and the CLE Subcommittee on Teaching, Research, and Discovery Learning (2010). *Teaching, research, and discovery learning.* Report to the GFC Committee on the Learning Environment.

Refereed Conference Presentations and Proceedings:

Kendall, C.R., Borkowski, J.G., & Cavanaugh, J.C. (1978, March). *Maintenance and generalization of an interrogative strategy by EMR children*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gatlinburg, TN.

Kendall, C.R., & Borkowski, J.G. (1979, March). *Training strategies in retarded children*. Paper presented at the Gatlinburg Conference on Mental Retardation, Gulf Shores, AL.

Goldman, S.R., & Varnhagen, C.K. (1980, December). *The effects of story ending information on listening and reading comprehension*. Paper presented at the annual meeting of the National Reading Conference, San Diego, CA.

Goldman, S.R., & Varnhagen, C.K. (1981, November). *Comprehension of multi-episode stories: Memory for embedded versus sequential episodes*. Paper presented at the annual meeting of the Psychonomics Society, Philadelphia, PA.

Varnhagen, C.K., Hartwig, J.B., & Goldman, S.R. (1982, March). *Individual differences in comprehension of multiple episode stories*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Varnhagen, C.K., & Goldman, S.R. (1983, December). *Causal structure instruction and story comprehension*. Paper presented at the annual meeting of the National Reading Conference, Austin, TX.

Varnhagen, C.K. (1984, April). *Text cohesion and comprehension: A comparison of prose analysis systems*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

Das, J.P. & Varnhagen, C.K. (1985, April). *The information integration model as a research tool*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Bisanz, G.L., Das, J.P., Henderson, H.R., & Varnhagen, C.K. (1985, May). *Structural components or reading time and recall for sentences embedded in narratives: Changes with age and reading ability*. Paper presented at the biennial meeting of the Society for Research in Child Development, TO.

Varnhagen, C.K., & Das, J.P. (1985, August). *Memory span processes of Down Syndrome and other etiology TMH individuals*. Paper presented at the meeting of the American Psychological Association, Los Angeles, CA.

Varnhagen, S.J., & Varnhagen, C.K. (1986, April). *An exploratory study of spelling errors of grade three students*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.

Varnhagen, C.K., & Das, J.P. (1987, June). *Component processes of memory span*. Paper presented at the meeting of the Canadian Psychological Association, Vancouver, BC.

Varnhagen, C.K. (1988, April). *Recall and reading time as a function of logical relations*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.

Varnhagen, C.K. (1988, April). *Comprehending logical relations: Recall of expository prose by fourth and sixth graders*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.

Varnhagen, S.J., & Varnhagen, C.K. (1988, April). *Analysis of spelling errors made by average ability and reading disabled children: Evidence for a developmental lag?* Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.

Zumbo, B.D., & Varnhagen, C.K. (1988, June). *An evaluation of computer aided instruction for introductory statistics*. Poster session presented at the meeting of the Canadian Psychological Association, Montreal, PQ.

Varnhagen, C.K. (1989, March). *Development of causal reasoning in story recall and production*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.

Varnhagen, C.K. (1989, May). *Sexual assault and abuse of Canadians with disabilities*. Paper presented at the meeting of Sexual Assault and Abuse of People with Disabilities: An International Conference, Edmonton, AB.

Varnhagen, C.K., Schmidt, D.D., & Cowling, S. (1989, June). *How to get ahead in statistics: It's a matter of sex, terror, and experience*. Presentation to the Ninth Annual Conference on Teaching and Learning in Higher Education, Edmonton, AB.

Varnhagen, C.K., & Svenson, L.W. (1990, June). *Evaluation of AIDS peer education for university undergraduate students*. Poster session presented at the VI International Conference on AIDS, San Francisco, CA.

Varnhagen, C.K., & Mottram, M.A. (1991, April). *A longitudinal analysis of spelling errors by good and poor spellers in grade two*. Poster session presented at the meeting of the American Educational Research Association, Chicago, IL.

Varnhagen, C.K., Morrison, F. J., & Everall, R. (1992, April). *Contributions of age and schooling to story memory and story telling*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.

McClure, K., & Varnhagen, C.K. (1992, April). *Do children spell the way they think they do? Predicted versus reported strategy use by early elementary school children*. Poster session presented at the meeting of the American Educational Research Association, San Francisco, CA.

Varnhagen, C.K., Svenson, L.W., & Godin, A.M. (1992, April). *Influences over teenagers' sexual activity, number of partners and condom use*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.

Weaver, N., Major, P., Varnhagen, C.K., & Glover, K.E. (1992, October). *Canadian Orthodontists' decisions in boarderline orthognathic surgery cases*. Presentation to the Canadian Association for Dental Research, Mid-West Section, Edmonton, AB.

Varnhagen, C.K., & Treiman, R. (1993, April). *On-line investigation of children's spelling*. Poster session presented at the meeting of the American Educational Research Association, Atlanta, GA.

Varnhagen, C.K., & Roed, B. (1993, June). *Revitalization through the teaching cell*. Presentation to the 13th Annual Conference on Teaching and Learning in Higher Education, Winnipeg, MB.

Varnhagen, C.K. (1994, June). *Dispelling the myth of staircase grading: Objective marking systems for the evaluation of written performance*. Presentation to the 14th Annual Conference on Teaching and Learning in Higher Education, Vancouver, BC.

Varnhagen, C.K., Pawlik, L., Burstow, M., Poon, B., & McCallum, M. (1995, March). *Children's spelling errors in grades one through six*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Indianapolis, IN.

Varnhagen, C.K., & McCallum. M. (1996, April). *Stages in children's spelling development?* Poster session presented at the annual meeting of the American Educational Research Association, New York, NY.

Steffler, D.J., Varnhagen, C.K., & Friesen, C.K. (1996, April). *Children's correct spelling: Strategy selection for one-syllable words*. Poster session presented at the annual meeting of the American Educational Research Association, New York, NY.

Varnhagen, C.K. (1996, April). *A microgenetic study of spelling for inflected words*. Poster session presented at the meeting of the Society for the Scientific Study of Reading, New York, New York.

Varnhagen, C.K. (1997, March). *Segmentation in children's spelling*. Paper presented at the meeting of the Society for the Scientific Study of Reading, Chicago, IL.

Varnhagen, C.K., Drake, S.M., & Finley, G. (1997, March). *Teaching undergraduate students with the Internet*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Steffler, D.J., Varnhagen, C.K., Boechler, P., Friesen, C.K., & Taylor, D. (1997, April). *Developmental trends in selection and use of spelling strategies*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Washington, DC.

Varnhagen, C.K., Barton, B., Middleton, A.L.A., Pychyl, T.A., Strean, B., & Thorpe, E.T. (1997, June), *Let's not rush into this: Developing a dialogue on using instructional technology*. Presentation to the Society for Teaching and Learning in Higher Education, Regina, SK.

Parent, M.B., Varnhagen, C.K., & Gold, P.E. (1997, October). *A memory-enhancing emotional narrative elevates blood glucose levels in college students*. Poster presented at the Society for Neuroscience, New Orleans, LA.

Boechler, P. M., Varnhagen, C.K., & Steffler, D.J. (1998, April). *Children's spelling: Phonological and orthographic influences on vowel selection*. Poster presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Steffler, D.J., Varnhagen, C.K., & Boechler, P.M. (1998, April). *The Diversity and Adaptability of Children's Spelling Strategies*. Poster presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Varnhagen, C.K. (1998, June). *Maybe we should resist: Grappling with issues in technology and instructional innovation*. Presentation at Media Prosperity '98, A joint conference of Association of Media and Technology in Education, Canadian Network For New Media Learning, and Edmonton New Media Association, Edmonton, AB.

Varnhagen, C.K., & Gotzmann, A. (1999, April). *Do children hear (and spell) both sounds in diphthongs?* Poster session presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.

Boechler, P.M., and Varnhagen, C.K. (1999, April). *Progression from phonological to orthographic skills in children's spelling*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.

Varnhagen, C.K., Gotzmann, A., Boechler, P.M., and Steffler, D.J. (1999, April). *When does a word look right?* Paper presented at the meeting of the Society for the Scientific Study of Reading, Montreal, PQ.

Varnhagen, C.K., Heth, C.D., Leighton, J., Boechler, P.M., & Winship, I. (1999, May). *intro.psych: A Technologically Enhanced Alternative to Introductory Psychology.* Syposium presentation to Technology/Pedagogy/Politics: Critical Visions of New Technologies in Education, Calgary, AB

Varnhagen, C.K. (1999, June). *Developing and delivering effective instructional technology.* Presentation to the Society for Teaching and Learning in Higher Education, Calgary, AB.

Gillingham, T. E., & Varnhagen, C.K. (2000, May). *Development of automaticity in spelling.*   Poster presented at Development 2000, Waterloo, ON.

Varnhagen, C.K., Daniels, J., Rabiau, M., Gillingham, T.E., & Steffler, D.J. (2000, July). *Phoneme perception and children's spelling.* Paper presented at the meeting of the Society for the Scientific Study of Reading, Stockholm, Sweden.

Varnhagen, C.K, Winship, I, Apedoe, X. (2000, July). *Development and evaluation of Internet instruction in Psychology.* Interactive poster symposium, International Congress of Psychology, Stockholm, Sweden.

Varnhagen, C.K., Rauch, A., & Kwong, T. (2001, April). *Awareness of linguistic structure and children's spelling.* Poster presented at the Biennial meeting of the Society for Research in Child Development, Minneapolis, MN.

Figueredo, L., & Varnhagen, C.K. (2002, June). *Detecting a problem is half the battle: The Relation between error type and spelling performance.* Paper presented at the annual meeting of the Scientific Studies of Reading, Chicago, IL.

Sadler Takach, B., Varnhagen, C.K., & Daniels, J. (2002, June).*Children's visual representation of information presented in print and CD-ROM encyclopedias: Implications for research-based design.* Presentation to ED-MEDIA 2002, World Conference on Educational Multimedia, Hypermedia, & Telecommunications, Denver, CO.

Daniels, J., Sadler Takach, B., & Varnhagen, C.K. (2002, June). *Getting stuck in the World Wide Web: The impact of design on navigation.* Presentation to ED-MEDIA 2002, World Conference on Educational Multimedia, Hypermedia, & Telecommunications, Denver, CO.

Sadler Takach, B.; Daniels, J.; Varnhagen, C; & Brenton-Haden, S. (2002, March). *Stepping on Superman's Cape: Examining myths and assumptions of educational hypermedia.* Paper presented at Odyssey 2002: Bending the light. Kananaskis, AB.

Sadler Takach, B.; Daniels, J.; & Varnhagen, C. (2002, September). *Putting it all together: Bringing interdisciplinary research into the practice of designing interactive learning tools.* Paper to be presented at Design Research Society,

Common Ground (Design Research Society), Brunel University, UK. Also published in proceedings.

Sadler Takach, B. & Varnhagen, C. (2002, August). *Partnering with children to develop an interactive encyclopedia.* Paper to be presented at Interaction Design and Children International Workshop, Eindhoven, The Netherlands.

Varnhagen, C.K., Johnson, T., Boyko, F., Randon, S., Peters, T.C.A. (2002, July). *WebCT as an interface to a research participation tracking system.* Paper presented at the 4th WebCT Users Conference, Boston, MA.

Varnhagen, C.K., Chamberland, A., Willson, M., Figueredo, L., & Kwong, T. (2003, June). *Brain activation during spelling.* Paper presented to the Society for the Scientific Study of Reading, Boulder, CO.

Hoddinott, J., & Varnhagen, C.K. (2003, July). *Quality improvement in first year large enrollment courses.* International Conference on the First-Year Experience, Vancouver, BC.

Willson, M., Wilman, A., Varnhagen, C.K, Chamberland, A., Figueredo, L. & Kwong, T. (2003, July). *Mapping the functional anatomy spelling using fMRI.* Poster presented to the International Society for Magnetic Resonance in Medicine, Toronto, ON.

Varnhagen, C. K., Gushta, M., Daniels, J., Peters, T. C. A., Parmar, N., Law, D., Hirsch, R., Sadler Takach, B., & Johnson, T. (2003, November). *How informed is online informed consent?* Presentation to the Society for Computers in Psychology, Vancouver, BC.

Varnhagen, C.K., Mansour, J., Greene, T., Kwong, T., Colter, J., Anderson, K., & Arkison, B. (2004, June). *Developing and implementing online information literacy tutorials in large undergraduate classes*. Presentation to ED-MEDIA, Lugano, CH.

Varnhagen, C.K., Goldberg, E., Chamberland, A., & Figueredo, L. (2004, June). *Children's brain activation during spelling.* Presentation to the Society for the Scientific Study of Reading, Amsterdam, NL.

Figueredo, L., & Varnhagen, C.K. (2004, June). *Is it a typo or a spelling error? Use of the spell checker during the composing process.* Presentation to the Society for the Scientific Study of Reading, Amsterdam, NL.

Varnhagen, C.K., Johnson, T., Sadler Takach, B., Daniels, J., & Greene, T. (2005, May). *Evidence based design and implementation of instructional technology*. Presentation to McGraw Hill-Ryerson 2005 Teaching, Learning and Technology Research Conference, Edmonton, AB.

Varnhagen, C.K. (2005, June). *Forget bells & whistles: How do we help students get what they need to succeed?* Presentation to the 2005 Canadian WebCT Users Conference, Edmonton, AB.

Figueredo, L., & Varnhagen, C.K. (2005, June). *Didn't you run the spell checker? Effects of writer background about proofreading practices and error type on the perception of writers*. Presentation to the Society for the Scientific Study of Reading, Toronto, ON.

Varnhagen, C.K., Figueredo, L., Daniels, J., & Sadler Takach, B. (2005, June). *Spelling and the Web.* Presentation to the Society for the Scientific Study of Reading, Toronto, ON.

Varnhagen, C.K. (2005, August). *Learning by doing: Integrating teaching and research in Psychology.* Presentation to the Canadian Summit on the Integration of Teaching and Research, Edmonton, AB.

Varnhagen, C.K., Stephens, M.H., Daniels, J., Sadler Takach, B., Peske, S., Bisanz, J., Bisanz, G., Fleming, D. (2005, October). *Critical appraisal of child health Web resources by parents and professionals.* Presentation to the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education (E-Learn 2005), Vancouver, BC.

Varnhagen, C.K. (2005, October). *Browsing the Web for research: Development and evaluation of information literacy tutorials for undergraduate students.* Presentation to the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education (E-Learn 2005), Vancouver, BC.

Hoddinott, J., Varnhagen, C.K., Marentette, P., & Tolton, A.J. (2006, June). *Students' perspectives on the linking of teaching and research.* Presentation to the Canadian Summit on the Integration of Research, Teaching, and Learning, Edmonton, AB.

Varnhagen, C.K., & Goetz, C. (2006, June). *Catering to the masses: Teaching and assessing information literacy skills.* Presentation to the 2006 Canadian WebCT Users Conference, Edmonton, AB.

Varnhagen, C.K. (2006, July). *Spelling strategies in English and in French.* Presentation to the Society for the Scientific Studies of Reading, Vancouver, BC.

Varnhagen, C.K. (2006, November). *Do problems with technology necessarily lead to problems with learning?* Presentation to the International Society for the Scholarship of Teaching and Learning, Washington, DC.

Wright, D.L., & Varnhagen, C.K. (2007, February). *Personality characteristics: Distance education versus on-campus college students.* Presentation to e-Learning 2007, Albuquerque, NM.

Varnhagen, C.K. (2007, June). *Making connections between research and teaching: Using our knowledge of research to establish inquiry-based teaching.* Half-day workshop presented at the Society for Teaching and Learning in Higher Education, Edmonton, AB.

Varnhagen, C.K. (2007, June). *From research…teaching to research AND teaching: Enhancing both through the integration of research and teaching.* Presentation to the Society for Teaching and Learning in Higher Education, Edmonton, AB.

Colter, J., & Varnhagen, C.K. (2007, June). *Browsing the Web for research: How can we help our students develop information literacy skills?* Presentation to the Society for Teaching and Learning in Higher Education, Edmonton, AB.

Varnhagen, C.K., Fleming, Kele, Boora, R., & Pugh, N. (2007, June). *Using e-Portfolios to promote deep learning in post secondary courses.* Presentation to the 5th Annual Canadian elearning Conference, Edmonton, AB.

Hoddinott, J., Marentette, P., & Varnhagen, C.K. (2007, July). *Students' perspectives on the linking of teaching and research.* Presentation to the International Society for the Scholarship of Teaching and Learning, Sidney, AU.

Wilson, M., Varnhagen, C.K., Kachanoski, G., & Wuetherick, B. (2007, July). *Heading down the right path: An institutional initiative to link teaching and research.* Presentation to the International Society for the Scholarship of Teaching and Learning, Sidney, AU.

Varnhagen, C.K. (2007, July). *Researching teaching.* Presentation to the 2007 Joint Meeting of ADSA-PAS-AMPA-ASAS, San Antonio, TX.

Fasenko, G.M., Franco, A.M., O'Dea, E.E., Hudson, E.E., Varnhagen, C.K., & Okine, E.K.. (2007). Development of an introductory course at a Canadian University to examine the changing role of companion animals in society. *11th International Conference on Human-Animal Interactions, IAHAIO* Abstract book page 90.

Varnhagen, C.K. (2008, June). *Portfolios for student collection and reflection*. Presentation to the Canadian eLearning Conference, Calgary, AB.

Kerr, J., & Varnhagen, C.K. (2008, June). *The Great Canadian Psychology Web Site: Introducing students to Canadian Psychologists and their unique research methods.* Presentation to the Canadian eLearning Conference, Calgary, AB.

Varnhagen, C.K. (2008, June). *Inquiry learning across all years of the undergraduate experience.* Poster presentation to the Council on Undergraduate Research, St Joseph, MN.

Randall, N., Styles, L., and the CASTL UGR Leadership Group (2008, June). *Carnegie Collaborations: Leadership for Undergraduate Research.* Interactive workshop at the Council on Undergraduate Research, St Joseph, MN.

McFall, G.P., Varnhagen, C.K., Pugh, N., MacDonald, H., Routledge, L., & Kwong, T. (2008, June). *Learning about research by doing research.* Poster presentation to the Council on Undergraduate Research, St Joseph, MN.

Varnhagen, C.K., Leskiw, B., & Lawrie, D. (2009, October). *Integrated science: Transforming learning and teaching.* Presentation to the International Society for the Scholarship of Teaching and Learning, Edmonton, AB.

Varnhagen, C.K. (2008, October). *Teaching and learning through research and discovery.* Presentation to the International Society for the Scholarship of Teaching and Learning, Edmonton, AB.

Hoddinott, J., Marentette, P., & Varnhagen, C. (2008, October). *Instructors' perspectives on the linking of teaching and research.* Presentation to the International Society for the Scholarship of Teaching and Learning, Edmonton, AB.

Varnhagen, C.K. (2008, November). *Making sense of the Web: Helping clients critically appraise pet-related Web sites.* Presentation to the International Conference on Communication in Veterinary Medicine, Banff, AB.

Varnhagen, C.K., Lawrie, D., Varnhagen, S.J., Leskiw, B., Arkison, B., and the SCI 100 team (2009, October). *Science 100: Building a solid foundation for future leaders.* Presentation to the International Society for the Scholarship of Teaching and Learning, Bloomington, IN.

Varnhagen, C.K. (2010, June). *Understanding undergraduate research.* Presentation to the Council on Undergraduate Research, Ogden, UT.

Varnhagen, C.K., Lawrie, D., Varnhagen, S.J., Leskiw, B., Arkison, B. (2010, June). *Integrated science: Training future scientists in Science 100.* Presentation to the Council on Undergraduate Research, Ogden, UT.

Varnhagen, C.K., & Lawrie, D. (2010, June). *Training Future Scientists: Preliminary Evaluation of Science 100 at the University of Alberta.* Presentation to the Society for Teaching and Learning in Higher Education, Toronto, ON.

Kanuka, H., Braga, J., Trueblood, L., Varnhagen, C.K., Ravognolo, K. (2010, June). *Pedagogical provocations! Is it really possible to inspire academics in a critical*

dialogue forum about teaching and learning? Preconference workshop for the Society for Teaching and Learning in Higher Education, Toronto, ON.

Varnhagen, C.K., McFall, G.P., Savage, A., & Welker, K. (2011, April). *Making Sense of the Web: Development of Critical Appraisal of Web Resources.* Presentation to the Biennial Meeting of the Society for Research in Child Development, Montreal, PQ.

Varnhagen, C.K. (2011, June). *Psychology? Citizenship? Helping first year students think beyond the multiple choice exam.* Presentation to the Society for Teaching and Learning in Higher Education, Saskatoon, SK.

Varnhagen, C.K., Yonge, O., & Robinson, F. (2011, June). *Integrating teaching and research ... in a course ... a program ... an institution: Lessons learned at the University of Alberta.* Presentation to the Society for Teaching and Learning in Higher Education, Saskatoon, SK.

Lawrie, D., Vallee, D., Varnhagen, C.K., and the Science 100 team (2011, June). *Innovations in Integrated First Year Science Laboratories.* Presentation to the Society for Teaching and Learning in Higher Education, Saskatoon, SK.

Willison, J., Wuetherick, B., & Varnhagen, C.K. (2011, June). *Towards effective assessment and course design through Research Skill Development.* Presentation to the Society for Teaching and Learning in Higher Education, Saskatoon, SK.

Varnhagen, C.K. (2012, June). Undergraduate research and creative works: Learning without boundaries. Presentation to the Society for Teaching and Learning in Higher Education, Montreal PQ.

Lawrie, D., Varnhagen, C.K., & Leskiw, B. (2012, June). Science 100: First year science without boundaries. Poster presentation to the Society for Teaching and Learning in Higher Education, Montreal PQ.

Varnhagen, C.K. (2012, June). Teaching, learning, and undergraduate research without boundaries. Presentation to the Society for Teaching and Learning in Higher Education, Montreal PQ.

Invited and Community Presentations:

Varnhagen, C.K. (1991, October; 1990, October). *Alternatives to multiple choice exams in large classes*. Presentation at the Faculty Enhancement Series on Teaching, sponsored by the University of Alberta Committee for the Improvement of Teaching and Learning, Edmonton, AB.

Varnhagen, C.K. (1990, October). *Is discussion (im)possible in large classes?* Presentation at the Faculty Enhancement Series on Teaching, sponsored by the University of Alberta Committee for the Improvement of Teaching and Learning, Edmonton, AB.

Berg, S., Varnhagen, C.K., & Svenson, L.W. (1990, December). *AIDS peer education: An evaluation.* Presentation to the Edmonton Interagency Council on AIDS, Edmonton, AB.

Varnhagen, C.K. (1991, February). *Issues and realities of teenage sexuality.* Presentation to the North Central Teachers' Convention Association of the Alberta Teachers' Association, Edmonton, AB.

Varnhagen, C.K., McClure, K., Leibel-Player, C., Shaw, P., & Hohmann, H. (1991, February). *Invented spelling or phonics instruction? Theories of cognitive development say we need both.* Presentation to the Greater Edmonton Teacher's Convention Association, Edmonton, AB.

Varnhagen, C.K. (1991, April). *Contributions of age and schooling to children's story memory and story telling.* Paper presented at the University of Washington Symposium on Literacy, Seattle, WA.

Varnhagen, C.K. (1991, November). *Presenting your presentation: Effective use of teaching aids for adult educators.* Certificate in Adult and Continuing Education Workshop, Lakeland College, Vermillion, AB.

Varnhagen, C.K. (1993, February). *So you're wondering what to do about spelling?* Workshop presentation at the 18th Annual Teacher Assistant Conference, Grant MacEwan Community College, Edmonton, AB.

Varnhagen, C.K., & Roed, B. (1993, October). *What we have learned from Teaching Cells.* Presentation to the University of Alberta Teaching Services, Faculty Enhancement Program on Teaching, Edmonton, AB.

Varnhagen, C.K., Finley, G., Drake, S. (1996, March). *Teaching statistics with the Internet.* Instructional Technology Fair, University of Alberta, Edmonton, AB.

Harapnuik, D., & Varnhagen, C.K. (1996, March). *World Wide Web for teaching and research.* Presentation to the University of Alberta Teaching Services, Faculty Enhancement Program on Teaching, University of Alberta, AB.

Varnhagen, C.K. (1997, January). *Why do we need educational technology?* Engineering Faculty Forum, University of Alberta, Edmonton, AB.

Varnhagen, C.K. (1997, February). *Phonological segmentation in children's spelling*. Department of Linguistics Colloquium Series, University of Alberta, Edmonton, AB.

Varnhagen, C.K. (1997, November). *Evaluation of Reading the Research*. Presentation to Show Time, Academic Technologies for Learning, University of Alberta, Edmonton, AB.

Varnhagen, C.K., & Digdon, N. (1998, June). *Reading the Research: Helping students learn how to read empirical research reports*. Presentation to the Second Annual Alberta Teachers of Psychology meeting, Edmonton, AB.

Varnhagen, C.K., & Willson, L. (1998, June). *Using the Internet to enhance critical thinking in introductory psychology*. Presentation to the Second Annual Alberta Teachers of Psychology meeting, Edmonton, AB.

Varnhagen, C.K, Winship, I, & Apedoe, X. (1999, May). *Preliminary analyses of student use and usefulness of intropsych*. Presentation to the third annual meeting of the Alberta Teachers of Psychology, Calgary, AB.

Varnhagen, C.K. (1999, May). *The role of technology in curriculum reform*. Presentation to the McGraw-Hill Ryerson conference on instructional technology, Calgary, AB.

Varnhagen, C.K. (1999, Oct.). *What can psychology contribute to the design of Web-based instructional materials?* Presentation to Design and the Social Sciences: Making Connections. University of Alberta, Edmonton, AB.

Varnhagen, C.K. (2000, February). *Classroom issues in using instructional technology*. Presentation for University Teaching Services, University of Alberta, Edmonton, AB.

Varnhagen, C.K., Apedoe, X., & Winship, I. (2000, May). *Evaluation of intro.psych: Affect, learning, and critical thinking*. Paper presented at the fourth annual Alberta Teachers of Psychology conference, College Heights, AB.

Varnhagen, C.K. (2000, May). *Technology and instruction*. Presentation at the Canadian Association of Law Teachers, Law Teaching Forum – Best Practices. Edmonton, AB.

Varnhagen, C.K. (2000, Aug.). *A functional understanding of instructional technology*. Presentation to the National Sales Meeting, Worth Publishers, Montreal, PQ.

Varnhagen, C.K. (2001, Jan.). *Using the Web to enhance critical thinking about Psychology*. Presentations to the 23rd Annual National Institute on the Teaching of Psychology, St. Petersburg, FL.

Varnhagen, C.K. (2001, June). *Principles of a quality undergraduate education: What the APA thinks versus what students think.* Presentation to the 5th Annual Meeting of the Alberta Teachers of Psychology, Edmonton, AB.

Varnhagen, C.K. (2001, Sept.). *Instructional technology: Functions and best practices.* Keynote presentation to the Fall Perspectives Teaching and Learning Program and University of Western Ontario.

Varnhagen, C.K. (2002, June). *Introducing the Great Canadian Psychology Web Site.* Presentation to the 6th Annual Meeting of the Alberta Teachers of Psychology, Camrose, AB.

Hoddinott, J., Varnhagen, C.K., & Varnhagen, S. (2003, March). *Quality improvement in the first year large enrollment courses.* Presentation to University Teaching Services.

Varnhagen, C.K. (2003, April-May). *From theory into practice: An instructor's perspective on developing, using, and evaluating educational technology.* A series of presentations to the 2003 Innovative Instructors Institute, Edmonton, AB.

Varnhagen, C.K. (2003, April-May). *Pulling it all together.* Keynote presentation to the 2003 Innovative Instructors Institute, Edmonton, AB.

Varnhagen, C.K. (2003, April-May). *From theory into practice: An instructor's perspective on developing, using, and evaluating educational technology.* A series of presentations to the 2003 Innovative Instructors Institute, Edmonton, AB.

Varnhagen, C.K. (2003, April-May). *Pulling it all together.* Keynote presentation to the 2003 Innovative Instructors Institute, Edmonton, AB.

Sears, M., Whitelaw, C., Varnhagen, C.K., & Wilson, M. (2003, November). *Assessment of innovative teaching.* Presentation to University Teaching Services.

Anderson, K., Arkison, B., Colter, J., Greene, T., Mansour, J., Varnhagen, C., & Whitelaw, C. (2004, March). *Collaboration to develop effective instructional technology.* Presentation to University Teaching Services.

Varnhagen, C.K. (2004, December). *Information literacy tutorials: Collaboration and evaluation.* Presentation to University of Alberta Libraries Information Literacy Symposium, Edmonton, AB.

Davis, H., Nielsen, B., Powers, S., & Varnhagen, C.K. (2005, January). *Student-instructor e-mail: The pain and the gain.* Presentation to University Teaching Services.

Varnhagen, C.K. (2006, January). *Pedagogically-appropriate uses of instructional technology*. Presentation to Sessional Symposium, University Teaching Services.

Varnhagen, C.K. (2006, March). *Forget bells and whistles: How do we help students get what they need to succeed?* Presentation to University Teaching Services.

Varnhagen, C.K. (2005, November). *Helping students learn to think like Psychologists or Chemists or Anthropologists.* Presentation to University Teaching Services.

Wright, A., Wilson, M. P., & Varnhagen, C.K. (2006, June). *Exploring the University Ecosystem: Learner-Voyageurs in Research and Teaching*. Pre-Conference Workshop, Society for Teaching and Learning in Higher Education, Toronto, ON.

Varnhagen, C.K., & Gnarpe, J. (2006, August). *Teaching with technology.* Presentations to the New Professor Orientation and the Sessional Workshops, University of Alberta.

Varnhagen, C.K. (2007, January). *Conducting research on teaching and learning: Who, what, when, where, and – most importantly – why?* Presentation to the Faculty of Agriculture, Forestry, and Home Economics, University of Alberta.

Varnhagen, C.K. (2007, February). *Introductions to Integrating Teaching and Research.* Presentations to Integrating Teaching and Research Week, University of Alberta.

Varnhagen, C.K. (2007, February). *Forget bells and whistles: Pedagogically appropriate uses of instructional technology.* Presentation to San Juan College, Farmington, New Mexico.

Varnhagen, C.K. (2007, July). *Daring to deliver: Adapting the University to a changing world.* Presentation to the University of Alberta community.

Varnhagen, C. K. (2007, August). *Integrating teaching and research.* Presentation to the New Faculty Orientation, University of Alberta.

Varnhagen, C.K. (2007, August). *Teaching with technology.* Presentation to Dare to Teach: A Day of Professional Development for Sessionals, University of Alberta.

Varnhagen, C.K. (2007, September). *Problems and discussion help students to learn to think like Psychologists (PSYCO 104/105).* Poster presentation for eLearning Days, Edmonton, AB.

Varnhagen, C.K. (2007, October). *Even intro students can learn to think like psychologists.* Presentation to the Worth Symposium on Teaching Introductory Psychology, Chicago, IL.

Varnhagen, C.K. (2008, January). Real world problem solving and applications engage students and improve society. Poster presentation for the Festival of Teaching, Edmonton, AB.

McFall, G.P., Varnhagen, C.K., Pugh, N., MacDonald, H., Routledge, L., & Kwong, T. (2008, January). *Learning about research by doing research.* Poster presentation for the Festival of Teaching, Edmonton, AB.

Cass, D., Gnarpe, J., Hickson, C., & Varnhagen, C. (2008, January). *UTS Faculty Associates: Supporting teaching and learning within the integrated-distributed model.* Poster presentation for the Festival of Teaching, Edmonton, AB.

Science 100 Implementation and Curriculum Committees. (2008, Janaury). *Science 100: An integrated first year in Science.* Poster presentation for the Festival of Teaching, Edmonton, AB.

Varnhagen, C.K. (2008, August). *ePortfolios: Reflection and alternative assessment.* Invited presentation to Power Your Teaching with Technology, Edmonton, Alberta.

Varnhagen, C.K. (2008, August). *Got a question? Looking for answers? Research and reflection on teaching and learning.* Invited presentation to STEAM, Faculty of Science, University of Alberta.

Varnhagen, C.K., (2008, October). *Online learning activities and discussions that engage students.* Invited presentation to Norquest College, Edmonton, AB.

Varnhagen, C.K. (2009, January). *Festival of teaching 101: Using eClass to support teaching and learning.* Invited presentation to the Festival of Teaching, Edmonton, AB.

Lawrie, D., & Science 100 Instructors. (2009, January). *Science 100 passes its first semester.* Poster presentation for the Festival of Teaching, Edmonton, AB.

Loppnow, G., & Science 100 Instructors. (2009, January). *Integration, Action, Discovery and Bonding: Modeling the SCI 100 Dynamic.* Presentation to Festival of Teaching, Edmonton, AB.

Varnhagen, C.K. (2009, May). *Integrating teaching and research: Helping students learn to think like physicists and philosophers and…* Keynote address to Looking for Success in Learning: The 5th Annual UBC Okanagan Learning Conference, Kelowna, BC.

Varnhagen, C.K., & Varnhagen, S.J. (2010, February). *How do you know it's innovative? Guidelines for evaluating impact.* Poster presentation for the Festival of Teaching, Edmonton, AB.

Varnhagen, C.K. (2011, June). *Undergraduate research training: Who what, when, where, why, and how.* Presentation to the Faculty of Pharmacy Annual Retreat.

Varnhagen, C.K., Lockwood, A., Bell, M., & Schielbelbein, J. (2011, August). *Moodle isn't just for classes: Creating a database of research opportunities.* Poster presentation to A Taste of Technology 2.0, Edmonton, AB.

Varnhagen, C.K. (2012, February). *High impact teaching, research, and learning.* Keynote presentation to the Thompson Rivers University 8th annual teaching practices colloquium, Kamloops, B.C.

Varnhagen, C.K. (2012, March). *Back to the future: Learning psychology in 2025.* Keynote presentation to the Follow the Sun conference, online.

Varnhagen, C.K. (2012, October). *Controlling companion animal overpopulation: Techs make a difference around the world.* Presentation to the CanWest Veterinary Conference, Banff, AB.

Varnhagen, C.K. (2012, October). *Helping animals through research into the human-animal bond.* Presentation to the Alberta Animal Welfare Conference, Edmonton, AB.

Editorial Contributions:

Editorial Board
Developmental Disabilities Bulletin (formerly *Mental Retardation and Learning Disabilities Bulletin*), 1986-present (Editor, Vol. 16, 1988).
Reading Psychology, 1998-present
The Reading Teacher, 1993-1995
Journal of Educational Computing Research, 1997-1998

Editorial Reviews
Alberta Journal of Educational Research
Canadian Journal of Behavioural Science
Canadian Journal of University Continuing Education
Child Development
Developmental Neuropsychology
Developmental Psychology
International Journal of Human-Computer Studies
Journal of Applied Developmental Psychology
Journal of Distance Education
Journal of Educational Psychology
Journal of Experimental Child Psychology

Journal of Learning Disabilities
Journal of Veterinary Medical Education
Merrill Palmer Quarterly
Neuropsychologia
Reading and Writing
Scientific Studies of Reading
Teaching of Psychology
Conference Proposals for Society for Research in Child Development, American
       Educational Research Association
Textbook reviews for Prentice Hall, Pearson Education Canada, McGraw Hill, Worth,
       Wylie, Nelson, Thompson
Grant Proposals for SSHRC, NSERC, CLLRNet