

Curriculum Vitae

Lynne R. Schrum, Ph.D.

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Educational Experiences

- Ph.D. University of Oregon, Eugene, Oregon, Curriculum and Instruction (June, 1991) Dissertation: Innovation and the Process of Change: A Case Study in Distance Education
- M.A. Learning Disabilities and Elementary Education (June 1976); University of Evansville, Evansville, Indiana
- B. S. Elementary Education (June, 1968); Southern Illinois University, Carbondale, Illinois

Academic positions

- July 2006 – present Professor & Coordinator; Elementary Education, College of Education & Human Development, George Mason University
- July, 2003 – June, 2006 Professor and Chair, Department of Teaching and Learning, College of Education, University of Utah
- Fall, 2002 Visiting Distinguished Professor of Educational Technology, University of Alaska, on leave in Juneau, Alaska
- 1994 - 2003 Associate/Assistant (94-97) Professor, College of Education, University of Georgia, Department of Instructional Technology
- 1992 - 1994 Assistant Professor, Center for Educational Studies and Services, The State University of New York, Plattsburgh, NY
- 1991 - 1992 Adjunct Assistant Professor, University of Oregon

Other professional employment

- 1978 - 1988 Resource Specialist Educator for students with Learning Disabilities, Ocean View School District, Oxnard, California
- 1974 -1977 Pre-K Teacher (Language Delayed Classes), Parent School Coordinator, Rehabilitation Center, Evansville, IN;
- 1968 - 1969 Fifth Grade Teacher, Pinckneyville School, Pinckneyville, IL

PUBLICATIONS

Peer-reviewed Journal Articles

Schrum, L., English, M., & Galizio, L. M. (accepted for publication). Project DAVES: An exploratory study of social presence, e-mentoring, and vocational counseling support in community college courses. *Internet and Higher Education*.

Schrum, L., Galizio, L. M., & Ledesma, P. (2011). Educational leadership and technology integration: An investigation into preparation, experiences, and roles. *Journal of School Leadership Journal of School Leadership, 21*, 241-261.

- Glassett, K., & Schrum, L. (2009). Teacher beliefs and student achievement in technology-rich classroom environments. *International Journal of Technology in Teaching and Learning*, 5(2), 138-153.
- Burbank, M. D., Bates, A. J., & Schrum, L. (2009). Expanding teacher preparation pathways for paraprofessionals: A recruiting seminar series. *Teacher Education Quarterly*, 36(2), 199-216.
- Mathiasen, H., & Schrum, L. (2008). Web 2.0 and social software: Challenges and complexity of communication in education. *USAB 2008, Lecture Notes in Computer Science Journal 2008*, 97-112.
- Schrum, L., Shelley, G., & Miller, R. (2008). Understanding tech-savvy teachers: Identifying their characteristics, motivation, and challenges. *International Journal of Technology in Teaching and Learning*, 4(1), 1-20.
- Schrum, L., Burbank, M. D., & Capps, R. (2007). Preparing future teachers for diverse schools in an online learning community: Perceptions and practice. *Internet and Higher Education*, 10(3), 204-211.
- Schrum, L., & Glassett, K. (2006). Technology integration in K-12 schools: Challenges to implementation and impact of scientifically based research. *Journal of Thought*, 41(1), 41-58.
- Schrum, L., Burbank, M., Chambers, J., Engle, J. & Glassett, K. (2005). Post-secondary educators' professional development: Investigation of an online approach to enhancing teaching and learning. *Internet and Higher Education*, 8(4), 279-289.
- Schrum, L., & Ohler, J. (2005). Distance education at one Alaskan university: Investigation of a complex phenomenon. *Journal of Distance Education*, 20(1), 60-83.
- Schrum, L. (2005). Governmental efforts in K-12 e-learning. *Computers in the Schools*, 21(3/4), 81-90.
- Matthews, D., & Schrum, L. (2003). High speed Internet use and academic gratifications in the college residence. *The Internet and Higher Education*, 6(2), 125-144.
- Schrum, L., Skeele, R., & Grant, M. (2002-2003). Revisioning learning in a college of education: The systemic integration of computer based technologies. *Journal of Research on Technology in Education*, 35(2), 256-271.
- Schrum, L., & Hong, S. (2003). Dimensions and strategies for online success: Voices from experienced educators. *Journal of Asynchronous Learning Networks (JALN)*, 6(1), Online:
http://aln.org/alnweb/journal/Vol6_issue1/6_1schrum.htm
- Hill, J. R., & Schrum, L. (2002). Theories on teaching: Why are they so hard to find? *TechTrends*, 46(5), 22-26.
- Schrum, L., & Hong, S. (2002). From the field: Characteristics of successful tertiary online students and strategies of experienced online educators. *Education and Information Technologies*, 7(1), 5-16.
- Schrum, L. (2002). Education and commercialization: Raising issues and making wise decisions. *Contemporary Issues in Technology and Teacher Education*, 2(2). Available online:
<http://www.citejournal.org>

- Schrum, L., & Benson, A. (2000). A case study of one online MBA program: Lessons from the first iteration of an innovative educational experience. *The Business, Education and Technology Journal*, 2(2), 38-46.
- Schrum, L. (2000). Online learning in the academy: The conundrum that may divide us. *Technos*, 9(3), 34-36.
- Schrum, L., & Benson, A. (2000). Online professional education: A case study of an MBA program through its transition to an online model. *Journal of Asynchronous Learning Environments [On-line serial]*, 4(1). Available: http://www.aln.org/alnweb/journal/Vol4_issue1/schrum.htm
- Schrum, L. (1999). Technology developments for educators: Where are we going and how do we get there? *Educational Technology Research and Development*, 47(4), 83-90.
- Schrum, L., & Dehoney, J. (1998). Meeting the future: A teacher education program joins the information age. *Journal of Technology and Teacher Education*, 6(1), 23-38.
- Berge, Z. L., & Schrum, L. (1998). Linking strategic planning with program implementation for distance education. *Cause/Effect*, 21(3), 31-38.
- Schrum, L. (1997). Ethical research in the information age: Beginning the dialogue. *Computers in Human Behavior, special edition*. 13(2), 117-125.
- Schrum, L. (1997). Rural telecommunication for educational professional development and instructional improvement: Two federally funded models. *Journal for Technology and Teacher Education*. 4(3/4), 247-262.
- Schrum, L., & Lamb, T. (1997). Computer networks as instructional and collaborative distance learning environments. *Educational Technology*, 37(4), 26-28.
- Schrum, L., & Berge, Z. L. (1998). Creating student interaction within the educational experience: A challenge for online teachers. *Canadian Journal of Educational Communication*, 26(3), 133-144.
- Schrum, L. (1995). Framing the debate: Ethical research in the information age. *Qualitative Inquiry*, 1(3), 311-326.
- Schrum, L. (1995). Educators and the Internet: A case study of professional development. *Computers and Education*, 24(3), 221-228.
- Schrum, L. (1991). Teacher education goes online. *Educational Leadership*, 49(3), 39, 41-42.
- Schrum, L. (1991). Distance education: A primer for administrators. *Oregon School Study Council* 34(1), Eugene, Oregon: ERIC Clearinghouse for Educational Administration.
- Schrum, L. (1991). Information technologies in our schools: Telecommunications enhancements for preservice and inservice teacher education. *The Writing Notebook*, 8(3), 17-19.
- Schrum, L. (1990). Teachers as researchers: An ongoing discussion focused on educational telecommunications. *Telecommunications in Education NEWS*, 1(4), 11-13.

Schrum, L. (1990). Oregon's Ed-Net: Distance delivery for education. *The Oregon Science Teacher*, 1990(October), 36-38.

Schrum, L. (1990) Teen populations and health issues: On-line participation. *Telecommunications in Education NEWS*, 1(2), 6-8.

Schrum, L. (1989). Hooked into science. *The Computing Teacher*, 17(1), 14-17.

Schrum, L. (1988). Telecommunications: A window to the world. *Instructor*, XCVIII(3), 30-32.

Schrum, L. (1988). Introducing teachers to telecommunications: California's ESTTI. *Technological Horizons in Education*, 15(8), 85-89.

Books

Schrum, L. (Ed.). (in press). *Best of Corwin: Educational Technology for School Leaders*. Thousand Oaks, CA: Corwin Press.

Schrum, L. (Ed.). (in press). *Considerations on Educational Technology Integration: The Best of JRTE*. Eugene, OR: ISTE.

Solomon, G. & Schrum, L. (2010). *How 2, Web 2: How to for Educators*. Eugene, OR: International Society for Technology in Education.

Schrum, L. (Ed.). (2010). *Considerations on Technology and Teachers: The Best of JRTE*. Eugene, OR: ISTE.

Schrum, L., & Levin, B. (2009). *Leading a 21st century school: Harnessing technology for engagement and achievement*. Thousand Oaks, CA: Corwin Press.

Bell, L., Schrum, L., & Thompson, A. (Eds.). (2008). *Framing Research on Technology and Student Learning in the Content Areas: Implications for Educators*. Charlotte, NC: Information Age Publishing, Inc.

Solomon, G., & Schrum, L. (2008). *New Tools, New Schools: Getting started with Web 2.0*. Eugene, OR: International Society for Technology in Education.

Solomon, G. & Schrum, L. (2002). *Connect online: Web learning adventures*. Columbus, OH: Glencoe McGraw-Hill Publishers.

Schrum, L., & Berenfeld, B. (1997). *Teaching and learning in the information age: A guide to educational telecommunications*. Needham, MA: Allyn & Bacon, Inc.

Schrum, L., & Luetkehans, L. (1997). *A primer on distance education: Considerations for decision makers*. Washington, DC: Association for Educational Communication and Technology. (Also translated into Portuguese for the Brazilian Government).

Schrum, L., & Solomon, G. (1996). *Connect online! A telecommunications simulation*. Cincinnati, OH: Thomson Learning Tools.

Chapters in Edited Books (peer-reviewed indicated by *)

- * Schrum, L., Galizio, L. M., English, M. C., & Ledesma, P. (2011). Technology roles and responsibilities of 21st century leaders: An investigation in preparation and performance. In D. Ifenthaler, J. M., Spector, & P. Isaias (Eds) *Multiple Perspectives on Problem Solving and Learning in the Digital Age* (pp. 259-273). New York, NY: Springer.
 - * Mathiasen, H. & Schrum, L. (2010). New technologies, learning systems and communication: Reducing complexity in the educational system. In M. S. Khine, & I. M. Saleh, (Eds), *New Science of Learning: Cognition, Computers and Collaboration in Education* (pp. 385-403). New York: Springer.
 - *Bell, L., Schrum, L., & Thompson, A. (2008). Introduction and Overview. In L. Bell, L. Schrum, & A. Thompson (Eds.), *Framing Research on Technology and Student Learning in the Content Areas: Implications for Educators* (pp. 1-12). Charlotte, NC: Information Age Publishing, Inc.
 - *Schrum, L. (2005). E-Learning and K-12: An examination of governmental efforts. In C. Howard, J. V. Boettecher, L. Justice, K. D. Schenk, G. A. Berg, & P. L. Rogers (Eds), *Encyclopedia of Online Learning and Technology* (pp. 737-742). Hershey, PA: Idea Group, Inc.
- Schrum, L. (2004). The impact of instructional design in online learning: Student success and achievement. In J. Stephenson & A. Sangra, (Eds), *Fundamentos del diseno instruccional con e-learning* (translated into Catalonia) (pp. 11-40). Barcelona: UOC.
- * Schrum, L., & Bracey, B. (2003). Empowering all learners: Creating technology rich, student centered curriculum. In G. Solomon, N. J. Allen, & P. Resta (Eds.), *Toward Digital Equity: Bridging the Divide in Education* (pp. 129-143). Boston, MA: Pearson Education Group, Allyn and Bacon.
 - * Schrum, L., & Geisler, S. (2003). Gender issues and considerations: Explicating a systemic dilemma and identifying steps toward remediation. In G. Solomon, N. J. Allen, & P. Resta (Eds.), *Toward Digital Equity: Bridging the Divide in Education* (pp. 115-128). Boston, MA: Pearson Education Group, Allyn and Bacon.
 - * Schrum, L. (2002). Dimensions of student success in online learning. In D. Watson & J. Andersen (Eds.), *Networking the learner: Computers in education* (pp. 19-28). London: Kluwer Academic Publishers.
 - * Schrum, L., & Benson, L. (2002). The evolution of workplace tools for group communications and collaboration. In A. D. Benson & S. D. Johnson (Eds.), *Information Technologies in Human Resource Development* (Vol. 4, pp. 479-492). Thousand Oaks, CA: SAGE Publishers.
 - * Schrum, L., & Benson, A. (2002). Establishing successful electronic educational environments: Distinguishing factors that contribute to online courses and programs. In R. Discenza, C. Howard & K. Schenk (Eds.), *The design and management of effective distance learning programs* (pp. 190-204). Hershey, PA: Idea Group Publishing.

- * Schrum, L. (2001). Online learning in the academy: The conundrum that may divide us. In J. Ohler (Ed.), *Future courses: A compendium of thought about education* (pp. 264-269). Bloomington, IN: TECHNOS Press.
- * Schrum, L. (1999). Trends in distance learning: Lessons to inform practice. In R. Branch & M. A. Fitzgerald (Eds.), *Educational Technology and Media Yearbook* (Vol. 24, pp. 11-16).. Englewood, CO: Libraries Unlimited.
- * Schrum, L. (1998). Online education in the information age: A study of emerging pedagogy. In B. Cahoon (Ed.), *Adult learning and the Internet*, (pp. 53-61). San Francisco: Jossey-Bass, Inc. Publishers.

Non-peer-reviewed Journal Articles

- Schrum, L. (2011). Science teaching & learning in the age of Web 2.0.
- Schrum, L., & Levin, B. (2010). Digital storytelling: Reinventing how learners communicate. *Better: Evidenced-based education, Autumn*, 14-15.
- Bull, G., Bell, L., Thompson, A., Schrum, L., Sprague, D., Maddux, C., Dawson, K. & Knezek, G. (2006). An invitation to join an early career mentoring network in technology and teacher education. *Journal of Technology and Teacher Education*, 14(4), 817-828.
- Bull, G., Knezek, G., Roblyer, M.D., Schrum, L., Thompson, A. (2005). A proactive approach to a research agenda for educational technology. *Journal of Research on Technology in Education*, 37(3), 217-220.
- Schrum, L., Thompson, A., Sprague, D., Maddux, C., McAnear, A., Bell, L., & Bull, G. (2005). Advancing the field: Considering acceptable evidence in educational technology research. *Contemporary Issues in Technology and Teacher Education* [Online serial], 5(3/4). Available: <http://www.citejournal.org/vol5/iss3/editorial/article1.cfm>
- Schrum, L. (2002). Oh, what wonders you will see: Distance education past, present and future. *Learning and Leading with Technology*, 30(3), 6-9, 20-21.
- Schrum, L. (2001). Student online readiness tool (SORT). Athens, GA: University System of Georgia. Available online: <http://alt.usg.edu/sort/>
- Schrum, L. (2000). Guarding the promise of online learning: Threats to keeping the pie in the sky in the oven longer. *The Education Digest*, 66(4), 43-47.
- Schrum, L. (1999). Technology in the classroom: Asking the right questions. *Eisenhower National Clearinghouse Focus*, 6(3), 16-18.
- Schrum, L. (1999). *Professional development in technology for educators (Portuguese)*. Report for Brazilian Ministry of Education. Brasilia: Ministry of Education.
- Schrum, L. (1998). Online professional development for educators: Strategies for success. AT&T Learning Network Virtual Academy.

Schrum, L. (1991). *Innovation and the process of change: A case study in distance education*.

Dissertation, University of Oregon, (University Microfilms International No. 91-37-376).

Peer-Reviewed Conference Proceedings:

Schrum, L. (in press). ICT in education: Current trends and future questions. In I. Sahin (Ed), *Elementary Education: International exploration of ICT research and knowledge*. Konya, Turkey: Selcuk University Press.

Schrum, L., Galizio, L. M., & Ledesma, P. (2009). *Leaders for the 21st century: Preparation, experiences, and roles in technology implementation*. In Kinshuk, D. G. Sampson, J. M. Spector, P. Isaias, & D. Ifenthaler, *Proceedings of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2009)* (pp. 219-226). Lisbon: IADIS.

Schrum, L. (2008). Educators who use technology: Characteristics and experiences through individual and group perspectives. In C. Angeli, & N. Valanides (Eds), *Proceedings of the 6th Panhellenic conference with International participation information and communication technologies in education* (pp. 25-32). Nicosia, Cyprus: J. G. Cassoulides & Son Ltd.

Schrum, L., & Glassett, K. (2007). Technology rich classroom environments and student achievement: A two-year implementation project. In Kinshuk, D. G. Sampson, J. M. Spector, & P. Isaias (Eds), *Cognition and Exploratory Learning in Digital Age* (pp. 325-331). Lisbon: IADIS Press.

Schrum, L. & Glassett, K. (2006). An investigative study: Perspectives on scientifically based research in educational technology, In Kinshuk, D. G. Sampson, J. M. Spector, & P. Isaias (Eds), *Cognition and Exploratory Learning in Digital Age* (pp. 178-186). Lisbon: IADIS Press.

Schrum, L., Burbank, M., Engle, J., & Glassett, K. f. (2005). Professional development for tertiary educators: An online model for pedagogical and instructional improvement. In D. Kinshuk, G. Sampson, & P. Isaias (Eds), *Cognition and Exploratory Learning in Digital Age* (pp. 52-59). Porto, Portugal: International Association for Development of the Information Society.

Schrum, L. (2001). Creating electronic educational environments: A challenge for educators and learners. In S. M. Al-Timami (Ed.), *The University of the 21st Century: An international conference* (pp. 354-368). Muscat, Oman: Sultanate of Oman, Ministry of Higher Education.

Gustafson, K., & Schrum, L. (2001). Cost analysis and return on investment (ROI) for distance education. In B. Khan (Ed.), *Web-based Training* (pp. 537-546). Englewood Cliffs, NJ: Educational Technology Publications.

Schrum, L. (2000). Online teaching and learning: Essential conditions for success. In L. Lau (Ed.), *Distance Learning Technologies: Issues, Trends, and Opportunities*, (pp. 91-106). Hershey, PA: Idea Group Publishing.

- Schrum, L., & Benson, A. (2000). Lessons to consider: Online learning from student and faculty perspectives. In B. L. Mann (Ed.), *Perspectives in Web Course Management* (pp. 225-238). Toronto: Canadian Scholars' Press, Inc.
- Schrum, L. (2000). Commercialization in education: What are the issues and implications for teachers and students? In T. J. Switzer (Ed.), *Log on or Lose out: Technology in 21st Century Teacher Education* (pp. 101-105). Washington, D.C.: American Association of Colleges for Teacher Education.
- Schrum, L. & Harris, J. (1997). Ethical electronic research: Creating a dialogue. *Proceedings of International Qualitative Research in Education Conference*, Athens, GA., January, 1996.
- Schrum, L., & Day, K. (1998). The Internet and acceptable use policies: What schools need to know. In Z. L. Burge & M. P. Collins (Eds.), *The Online Classroom in K-12: Perspectives and Case Studies*, (Vol. 1, pp. 81-91). Cresskill, NJ: Hampton Press, Inc.
- Schrum, L. & Fitzgerald, M. A. (1996). A challenge for the information age: Educators and the Internet. *International Journal of Educational Telecommunications*, 2(2/3), 107-120
- Schrum, L., & Fitzgerald, M. A. (1998). Telecommunication for K-12 educators: Professional development, instructional improvement and educational change. In Z. L. Burge & M. P. Collins (Eds.), *The Online Classroom in K-12: Teacher Education and Instructional Design*, (Vol. 3, pp. 23-34). Cresskill, NJ: Hampton Press, Inc.
- Schrum, L. (1996). Teaching at a distance: Strategies for successful planning and development. *Learning and Leading with Technology*, 23(6), 30-33.
- Schrum, L. (1995). On-line education: A study of pedagogical, organizational and institutional issues. In R. A. Cornell & K. Murphy (Eds.), *An international survey of distance education and teacher training: From smoke signals to satellite- II*, (pp. 157-163). Orlando, FL: University of Central Florida & Paris, France: International Council for Educational Media.
- Schrum, L. (1994). First steps into the information age: Technology infusion in a small teacher education program. *Journal of Computing and Teacher Education*, 10(4), 12-14.
- Schrum, L. (Ed.). (1994). *Directory of educational telecommunications services*. Eugene, OR: International Society for Technology in Education.
- Schrum, L. (1994). What can you get professionally online? *Telecommunications in Education News*, 5(2), 8-12.
- Schrum, L. (1993). Tales from the trenches: Educators' perspective on technology implementation. *Journal of Teacher Education and Technology*, 1(4), 409-421.
- Schrum, L. (1993). Social interaction through online writing. In R. Mason (Eds.), *Computer conferencing: The last word* (pp. 171-196). Victoria, BC: Beach Holme Publishers.

- Schrum, L. (1993). Technology development for educators: Three models of implementation. In D. Carey, R. Carey, D. A. Willis, & J. Willis (Eds.), *Technology and Teacher Education Annual - 1993* (pp. 550-553). Charlottesville, VA: Association for the Advancement of Computing in Education.
- Schrum, L. (1993). Innovations in the information age: On-line graduate education. In P. Kramer (Ed.), *Technology for New Learning Environments*, Oneonta, NY: SUNY Fact.
- Schrum, L. (1992). Professional development in the information age: An online experience. *Educational Technology*, 32(12), 49-53.
- Schrum, L. (1992). Information age innovations: Online teacher enhancement. In D. Carey, R. Carey, D. A. Willis, & J. Willis (Eds.), *Technology and Teacher Education Annual* (pp. 516-520). Charlottesville, VA: Association for the Advancement of Computing in Education.

PRESENTATIONS

- Schrum, L., & Solomon, G. (2011). Featured Speaker. Beyond Web 2.0: Voices from the field, conditions for practice. ISTE International Conference, Philadelphia, PA, (June 27, 2011).
- Schrum, L., English, M. C., & Galizio, L. (2011). *Project DELTA: An investigation into e-mentoring, social presence, and vocational counseling support*. Paper presented at the Annual Meeting of AERA, New Orleans, LA.
- Schrum, L. (2010). Invited Featured Presentation: Visualizing the possible: Science Teaching & Learning in the age of Web 2.0 and beyond. National Science Teachers Association, Baltimore, MD (November 11, 2011).
- Schrum, L. (2010). Invited Keynote Address. *Educational Technology: Current trends and identifying a research agenda*. Fourth International Computer & Instructional Technologies Symposium, Konya, Turkey (September 24-26, 2010).
- Schrum, L., Dede, C. J., Hickey, D. T., Leu, D. J., Ketelhut, D. J., & Collins, A. M. (2010). Chair of Symposium: *Web 2.0: Research issues, results, and future directions*. Papers presented at Annual Meeting of the American Educational Research Association, Denver, CO.
- Bull, G., Sanham, N., & Schrum, L. (2010). *Digital fabrication: Integration of engineering activities into K-12 environments*. Panel presentation at Annual Meeting of the Society for Information Technology for Teacher Educators (SITE), San Diego, CA.
- Schrum, L., Thompson, A., Specter, M., Bull, G., & Sprague, D. (2010). *Publication Basics in Educational Technology*. Panel presentation at Hawaiian International Conference in Education Annual Meeting, Honolulu, HI.
- Schrum, L., Galizio, L. M., & Ledesma, P. (2009). Leaders for the 21st century: Preparation, experiences, and roles in technology implementation. Paper presented at the Seventh IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2009), Rome, Italy.

- Schrum, L. (2009). Invited Keynote address. *Visualizing a 21st Century School: Designing a virtual educational environment to support teaching and learning*. 41st Annual International Visual Literacy Association Conference, Chicago, IL.
- Schrum, L. (2009). *School related use of Web. 2.0: Connecting, communicating, and collaborating*. Invited Keynote, Knowledge Media International Conference, Aarhus, Denmark.
- Schrum, L., Galizio, L., & Ledesma, P. (2009). An investigation of educational leaders and technology: Preparation, experiences, and roles in implementing integration. Paper presentation at the Annual Meeting of the American Educational Research Association, San Diego, CA.
- Schrum, L. (2009). Invited Discussant, Perspectives on technology and educational change, Paper presentations. Annual Meeting of the American Educational Research Association, San Diego, CA.
- Schrum, L., Levin, B. B., & Ledesma, P. (2009). Preparation, experiences, and roles in implementing integration. Invited presentation, SIG Administrator Forum, ISTE National Technology Conference 09, Washington DC, June, 2009.
- Schrum, L. (2009). Preparing learners for their future: Web 2.0 tools & the workplace. Invited Keynote, 19th Alaska Career and Technical Education Conference, Anchorage, Alaska.
- Mathiasen, H., & Schrum, L. (2008). Changing nature of ICT in education: Create, communicate, collaborate. Paper presented at the 14th Usability Symposium, Graz, Austria, November, 2008.
- Schrum, L. (2008). Educators who use technology: Characteristics of experiences, and adventures in the classroom. Invited Keynote, 6th Conference of the Hellenic Scientific Society of Information and Communication Technologies in Education. Limmasol, Cyprus, September, 2008.
- Schrum, L., Burbank, M., Peercy, M., & Capps, R. (2008). *Choices of women in academia: Finding a balance along the career continuum*. Paper presented at the Annual Meeting of the American Educational Research Association, New York, NY.
- Schrum, L., & Tate, J. (2008). *What will it take? Preparing and retaining future educators*. Paper presented at the Annual Meeting of the American Educational Research Association, New York, NY.
- Schrum, L., & Glassett, K. f. (2008). *Technology-rich classroom environments and student achievement: A two year implementation project*. Paper presented at the Annual Meeting of the American Educational Research Association, New York, NY.
- Schrum, L., & Glassett, K. f. (2007). *Technology-rich classroom environments and student achievement: A two year implementation project*. Paper presented at the Fifth IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2007). Algarve, Portugal.
- Schrum, L. (2008). *Web 2.0 and K-12: New Tools for New Schools!* Invited Keynote Address, Alaska Society for Technology in Education, Anchorage, AK.

- Schrum, L. (2007). *Administrators & Technology: Standards, Assessment, and Web 2.0*. Invited presentation; Near East South Asia Administrators' Conference. Bangkok, Thailand.
- Schrum, L. (2007). *Educational Technology: Leadership for the Future with New Tools*. Invited presentation; Near East South Asia Administrators' Conference. Bangkok, Thailand.
- Schrum, L., Burbank, M. D., & Capps, R. (2007). *Perceptions and Practice: Preparing future teachers for diverse schools through online learning communities*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Schrum, L., Shelley, G., & Miller, R. (2007). *Technology implementation: How tech-savvy teachers access and use technology*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Glassett, K., & Schrum, L. (2007). *An investigation into true technology implementation: Changing the nature of teaching and learning*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Schrum, L., Burbank, M., & Engle, J. (2006). *Uncovering the layers of rural technology implementation: Complexities and opportunities*. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Schrum, L. & Glassett, K. (2006). *Research on educational technology: Challenges to implementation and impact of scientifically based research*. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Schrum, L., Burbank, M., & Chambers, J. (2005). *Enhancing community college faculty through an online experience: Investigation of a "learning" project*. Paper presentation at the National Meeting of the American Educational Research Association National Meeting, Montreal, CANADA.
- Burbank, M., Schrum, L., & McCandless, R. (2005). *A collaborative approach to inclusive teacher preparation: From paraprofessionals to practicing educators*. Paper presentation at the National Meeting of American Association of Colleges of Teacher Education, Washington, DC.
- Schrum, L. (2005). *A proactive research agenda for educational technology*. Invited Keynote Panel at the Society for Information Technology in Teacher Education, Phoenix, AZ.
- Schrum, L., & Ohler, J. (2004). *A fresh look at distance education: An Alaskan study*. Paper presentation, American Educational Research Association National Meeting, San Diego, CA.
- Schrum, L. (2004). *Preparing New Educators: Research, Standards, and Implementation*. Invited presentation, Gyeongin National University of Education, South Korea.
- Schrum, L. (2004). *Student achievement and success in online environments: Research into characteristics and strategies*. Invited presentation, Society for Technology and Teacher Education, Atlanta, GA.

- Schrum, L. & Mathews, D. (2003). *The internet savvy college student: Implications for post-secondary educational environments*. Paper presentation, American Educational Research Association National Meeting, Chicago, IL.
- Schrum, L. & Skeeel, R. (2002). *Reflections on one PT3 grant: Realization of goals and insights for the future*. Paper presentation, American Educational Research Association National Meeting, New Orleans, LA
- Skeeel, R., & Schrum, L. (2002). *Teacher education, community partnerships, and technology: Catalyst for reflection and change*. Paper presentation, American Educational Research Association National Meeting, New Orleans, LA
- Schrum, L. (2002). (Keynote) *Constructivist approaches to teaching and learning with technology*. Scandinavian Pedagogical Society, Trondheim, Norway.
- Schrum, L. (2002). (Keynote) *Infusing technology into K-12 environments: Moving beyond drill and practice*. Central and Eastern European School Association, Bucharest, Romania.
- Mathews, D. & Schrum, L. (2002). *Close encounters: University students and convergence*. Paper presented to the Visual Communications Division of the Association of Education in Journalism and Mass Communications' Mid-Winter Conference, Athens, GA.
- Schrum, L. & Schrum, K. (2001). *Transforming the curriculum: Technological possibilities*. Presentation, National Council for the Social Studies, Washington, DC.
- Schrum, L. (2001). (Keynote) *Realizing the Promise: Using technology to create authentic and relevant activities*. National Conference on Technology in Education, Brazilian Ministry of Education, Fortaleza, Brazil.
- Schrum, L. (2001). *Online learning and success: Can we establish the connections?* Paper presentation, Japan Conference on Distance Learning, Nagano, Japan.
- Schrum, L. (2001, July). *Electronic educational environments: The challenge of success for all learners*. Paper presentation, World Conference on Computers in Education, Copenhagen, Denmark.
- Schrum, L. (2001, April). *The potential for electronic educational environments: Ensuring student success*. Paper presentation, American Educational Research Association National Meeting, Seattle, WA.
- Schrum, L., Skeeel, R., & Grant, M. (2001, April). *Re-visioning learning in a college of education: The systemic integration of computer-based technologies*. Paper presentation, American Educational Research Association National Meeting, Seattle, WA.
- Schrum, L. (2001, April). *Dimensions of student success in online learning environments*. Paper presentation, bi-annual meeting, International Council on Distance Education, Dusseldorf, Germany.

- Schrum, L. (2001, March). *Creating electronic educational environments: A challenge for educators and learners*. Invited address and presentation, The University of the 21st Century Conference, Muscat, Oman.
- Schrum, L. (2001, March). *Infusing technology into the K-12 curriculum: Strategies for a new pedagogy*. Invited presentation, Near East South Asia International Schools Teachers' Meeting, Istanbul.
- Schrum, L. (2001). Teaching social studies in the 21st Century: Technology, social justice, and teacher education. Invited keynote, National Council of Social Studies, Athens, GA.
- Schrum, L. (2000). *Learning technologies in the 21st century: New parameters, partners, and philosophies*. Invited Keynote and paper, Australian Conference on Computers in Education. Melbourne, Australia.
- Schrum, L. & Benson, A. D. (2000). *A case study of one online MBA program: Lessons from the first iteration of an innovative educational experience*. Paper presentation, American Educational Research Association National Meeting, New Orleans.
- Schrum, L. (2000) *Electronic educational environments: Collaboration and knowledge construction*. Invited paper presentation, Conference: Online Learning Environments, Trondheim Technical University, Trondheim, Norway.
- Schrum, L. (2000). *Teacher preparation and the STAR chart: Faculty perspectives*. Invited presentation, American Association of Colleges of Teacher Education Annual Meeting, Chicago.
- Schrum, L. (2000). *Educators communicating for success*. Consortium for School Networking Annual National Meeting, Washington, DC.
- Schrum, L. (2000). *Enhanced communications: Uniting the stakeholders in every school*. National Association of Secondary School Principals Annual National Meeting, San Antonio.
- Schrum, L. (2000). *Building communications throughout your school: Educators, parents, and more!* National Association of Elementary School Principals Annual Meeting, New Orleans, LA.
- Schrum, L. (2000). *Technology in Professional Education: The possibilities that await us!* Invited presentation, Emory University Technology Series, Emory University, Atlanta, GA.
- Schrum, L. (2000). *Online learning: Creating a learning and teaching environment*. University of Sydney, Australia, Hosted Regional Meeting.
- Schrum, L. (2000). *Dimensions of student success: Online learning evolves*. Open University Seminar Series, Milton Keynes, UK.
- Schrum, L. (2000). *Enhanced communications: Parents and schools strengthen the bonds*. Mississippi Educators Computing Association Annual Meeting, Jackson, MS.
- Schrum, L. (2000). *Communicating for success: Strengthening students, parents, and educators*. Kentucky Educational Technology Conference, Louisville, KY.

- Schrum, L. (1999). *Standards for technology implementation*. Invited presentation, Near East and South Asia Association, Administrators' Annual Meeting, Kathmandu, Nepal.
- Schrum, L. (1999). *Revisiting an innovation: Statewide distance learning in Oregon*. Paper presentation, American Educational Research Association National Meeting, Montreal, Canada.
- Schrum, L. & Benson, A. (1999). *Online professional education: A case study of an MBA program through its transition to an online model*. Paper presentation, American Educational Research Association National Meeting, Montreal, Canada.
- Schrum, L. (February, 1999). *Preparing 21st Century teachers: Perspectives on integrating technology into teacher education*. Paper presentation, Annual Meeting of the American Association for Colleges of Teacher Education, Washington, DC. (invited)
- Schrum, L. (March, 1999). *Standards for practicing educators: Creating the rubric for self-assessment*. Paper presentation, Educational Technology Organization of Near East, South Asia International School Organization, Athens, Greece.
- Schrum, L. (November, 1999). *Distance education and teacher professional development: Is there a match?* Brazilian Ministry of Education, Invited Address, Brasilia, Brazil.
- Schrum, L. (October, 1998). *Doing it right: Preparing your Teachers for Using Technology in the 21st Century*, Near East South Asia International Association Invited Address, Cairo, Egypt.
- Schrum, L. (April, 1998). *Just say YES! Implementing technology in the curriculum to transform student learning*. European Council for International Schools Invited Keynote Address, Istanbul, Turkey.
- Schrum, L. (May, 1998). Building collaborative learning environments: Groupware to bridge the promise and reality, COOP 98 (Cooperative Learning Environments), Cannes, France.
- Schrum, L., Fitzgerald, M. A., & Luetkehans, L. (April, 1998). *Groupware for collaborative learning environments: Conclusions from three research studies*, Paper presentation, American Educational Research Association National Meeting, San Diego, CA.
- Schrum, L. & Luke, N. (April, 1998). *A distance learning model for rural teachers: Educational technology and professional development*, Paper presentation, San American Educational Research Association National Meeting, Diego, CA.
- Schrum, L. (March, 1998). *Electronic communities of practice: Online activities for educators and students*, Invited Address, Florida Educational Technology Conference, Orlando, FL.
- Schrum, L. (June, 1997). Creating collaborative learning environments: The challenge for distant learners, educational media-educational telecommunications, Invited Speaker, Calgary, Alberta, CA.
- Schrum, L. (February, 1997). *Groupware for collaborative learning: Research on processes, opportunities, and obstacles*. Association for Education and Communication Technology, Invited keynote, Division on Development. Albuquerque, NM.

- Schrum, L. (February, 1997). *A study of compressed video: Two models*. Association for Education and Communication Technology Annual Meeting Albuquerque, NM.
- Schrum, L., & Fitzgerald, M. A. (April, 1997). *Groupware for online distance education: A case study of one graduate business course*. American Educational Research Association Annual Meeting, Chicago, IL.
- Schrum, L. (April, 1996). *Staff development by compressed video: Will it meet participants' needs?* American Educational Research Association Annual Meeting, New York City.
- Schrum, L. & Fitzgerald, M. A. (April, 1996). *Educators and information technologies: What will it take for adoption and implementation?*, American Educational Research Association Annual Meeting, New York City.
- Schrum, L. (April, 1996). *Who's listening? Rights and responsibilities for ethical electronic research*. American Educational Research Association Annual Meeting, New York City.
- Schrum, L. (March, 1996). *Professional development for rural educators: Two federal grant models*. Society for Information Technology in Teacher Education Phoenix, AZ.
- Schrum, L. (February, 1996). *Online education: A study of emerging pedagogy*, Association of Educational Communication Technology Annual Meeting, Indianapolis, IN.
- Schrum, L. & Harris, J. B. (January, 1996). *Ethical electronic research: Creating a dialogue*. Qualitative Research in Education Conference, Athens, GA.
- Schrum, L. (July, 1995). *On-line education: What have we learned?*, World Conference on Computers in Education Birmingham, UK.
- Schrum, L. (June, 1995). *On-line education: Strategies for successful development and implementation*, National Educational Computing Conference, Baltimore, MD.
- Schrum, L. (April, 1995). *Telecommunications for personal and professional uses: A case study*, San American Educational Research Association Annual Meeting, Francisco, CA.
- Schrum, L. (March, 1995). *Online professional development for educators*, Secretary of Education Conference on Educational Technology Invited Speaker and Chair.
- Schrum, L. (June, 1994). *Infusing technology into rural preservice experiences*. National Educational Computing Conference, Boston, MA.
- Schrum, L. (September, 1994). *Preservice educational telecommunications: Its time has come*. Invited Strand Chair, NYSENET Conference on Educational Telecommunications Albany, NY.
- Schrum, L. (November, 1994). *Online education: Creating a new pedagogy*, Telecommunications in Education International Conference, Albuquerque, NM.
- Schrum, L. (May, 1994). *Telecommunications and teacher education*. US Secretary of Education Conference on Educational Telecommunications, Invited Speaker, Washington, DC.

- Schrum, L. (February, 1994). *Educational technology for new educators: A formative report on SUNY Plattsburgh's experience*, Eastern Educational Research Association, Annual Meeting, Sarasota, FL.
- Schrum, L. (November, 1993). *Designing online courses: An imperative*, Second International Symposium on Telecommunications in Education Occasional Meeting, Dallas, TX.
- Schrum, L. (March, 1993). *Technology development for educators: Three models of implementation*, Society for Technology and Teacher Education International Annual Meeting, San Diego, CA.
- Schrum, L. (April, 1993). *Tales from the trenches: Educators' perspective on technology implementation*, North East Educational Research Organization Regional Annual Meeting, Portsmouth, NH.
- Schrum, L. (June, 1993). *Innovations in the information age: Online graduate education*. SUNY Faculty Access to Computing Technology Statewide Annual Meeting, Oneonta, NY.
- Schrum, L. (April, 1992). *Innovation and the process of change: A case study in distance education*, American Educational Research Association National Annual Meeting, San Francisco.
- Schrum, L. (April, 1992). *Peace education and educational technology*. Invited Discussant, American Educational Research Association National Annual Meeting, San Francisco.
- Schrum, L. (April, 1992). *Information age innovation: A case study of on-line professional development*, American Educational Research Association National Annual Meeting, San Francisco, CA.
- Schrum, L. (November, 1991). *Teachers taking charge: Driving the process of change*. Regional Meeting, Rocky Mountain Association of Computer Educators Invited Keynote Speech, Denver, CO
- Schrum, L. (August, 1991). *Technologies for teacher development*, East/West Invitational Seminar on New Technologies in Education International Meeting, Prague, Czechoslovakia.
- Schrum, L. (1991). *Telecommunications: Working to enhance global understanding and peace education*, American Educational Research Association National Annual Meeting, Chicago.
- Schrum, L. (December, 1990). *Connecting educators for collegial interaction*. American Association of School Administrators National Meeting, Invited Address, Washington D. C.
- Schrum, L. (June, 1991). *Telecommunications for critical inquiry: The homeless around the continent*, National Education Computing Conference Annual Meeting, Nashville, TN.
- Schrum, L. & Akin, K. (May, 1990). *Community-based telecommunication*, Third Guelph Symposium on Computer Mediated Communications International Meeting, Guelph, Ontario, CA.
- Schrum, L. (August, 1989). *Journalism and at-risk populations using telecommunications*. First International Symposium on Telecommunication in Education, International Meeting, Jerusalem, Israel,
- Schrum, L. (November, 1988). *Why not a 25¢ stamp?*, MECC National Conference Annual Meeting, Featured Speaker, Minneapolis, MN.
- Schrum, L. (August, 1998). *A training module: Introducing educators to telecommunications*. 14th World Conference on Distance Education International Meeting, Oslo, Norway.

Schrum, L. (May, 1988). *Telecomputing for the world, International Meeting*, Invited Speaker, Circumpolar Conference on Distance Learning Juneau, Alaska

PROFESSIONAL ACTIVITIES

Service:

American Educational Research Association (AERA): Appointed by AERA President to three year term as Chair, Annual Meeting Policies and Procedures Committee, 2010-2013.

American Educational Research Association (AERA): SIG Executive Committee, Chair (2008-10); member (2006-2008); AERA Council (2008-2010).

Editor, *Journal of Research on Technology in Education (JRTE)*, June, 2002-December, 2011.

International Society for Technology in Education, President (term June 1997 - June 1999).

International Society for Technology in Education, Board Member 1994 – 2000).

International Society for Technology in Education, Special Interest Group/ Telecommunications, President, 1991-1993.

Consultations/Evaluations:

Utah State Office of Education, Educational Technology Grants Evaluation Project, May, 2004 – June, 2006.

Florida Community College at Jacksonville, Florida, Consultant to Online course development, evaluator of progress in online course development; January 2002 – present.

Evaluator: Georgia Institute of Technology, NSF funded SeaMaven Project, 2002-2004.

Seton Hall University Preparing Teachers to Use Technology (PT3) grant, September, 1999 – June, 2002.

Georgia GLOBE Project; Development of “Students and Online Learning: Dimensions that Promote Success,” January – March, 2000.

Near East School Association International Schools, Consultant to Virtual High School Technology Planning Program, Athens, Greece, March, 1999.

SUNY Plattsburgh, Telecommunications for Rural Educators Project; 1994-97.

Mississippi Band of Choctaw Indians, Telecommunications Project; 1995-96.

Awards:

President’s Distinguished Professor of Educational Technology, The University of Alaska, October 2001 – June, 2003.

International Fellow, The University of Georgia, 1998-99 (award included three weeks in Australia)

Converge, 25 Leaders of Educational Technology, 1999

SIG/Tel Outstanding Achievement Award, 1995

Certification

California Lifetime Teaching Credentials:
Multiple Subject (K-8); Learning Handicapped (K-12)