

## Curriculum Vita

### **Brock S. Allen, PhD**

Emeritus Professor and Co-Director  
Center for Teaching & Learning  
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### **Education**

**PhD, Education**, University of Southern California, 1982.

Specializations: educational technology and instructional design theory.

Cognate (Annenberg School of Communications): communication.

Dissertation: *The Effects of System-Assigned Learning Strategies and Hierarchical Displays on Acquisition of Coordinate Concepts*

**MA, Education** (science education), University of California, Berkeley, 1974.

Thesis: *Simulating Evolution*

**BA, Biological Sciences** (Ecology), University of California, Berkeley, 1970.

Honors American Studies Program.

### **Current & Recent Positions**

**Co-Director**, San Diego State University Center for Teaching and Learning, 2008-current.

**Director**, 2003-2008. **Recipient**, *Alumni Outstanding Faculty Award*, 2007. Administers the principle office of faculty development for ~1,200 professors and lecturers. Designs and organizes faculty development events ranging from formal workshops to symposia and seminars. Advises faculty and administrators on student learning outcomes, assessment, and learning activities and environments. Consults with faculty and administrators on teaching effectiveness issues and technology-based learning. Has advanced the role of the Center for Teaching and Learning in university affairs to the point where it is recognized by senior leadership as a significant strategic asset.

**Interim Associate Dean for Faculty Development Systems**, College of Education, 2001-2002.

Member of the Doctoral Faculty (1999-current). Founder and Coordinator of the EdD Concentration in Educational Technology, SDSU-USD Joint Doctoral Program in Education, 1999-2002.

**Emeritus Professor**, Department of Educational Technology, San Diego State University, 2008-current. **Professor**, 1990-2008. **Associate Professor**, 1987-1990. **Assistant Professor**, 1982-1987. Taught masters and doctoral courses on educational product design, interactive multimedia, and the psychology of technology-based learning. Author of over 50 publications on technology and learning. Research and development interests focused on instructional design theory, learning through interaction, and application of advanced computing software to education and training. Consultant on instructional design to Fortune 500 companies including AT&T, Sony, Digital Equipment Corporation, as well as state governments, and US Department of Defense agencies. President, Division of Instructional Development, Association for Educational Communications and Technology, 1990.

## ***Previous Experience***

***Consultant on Educational Technology and Research Assistant.*** University of Southern California, 1980-1982. Projects focused on interactive video, computer-assisted instruction, video conferencing, and the forerunner of the Internet (ARPANET). Planned and managed research project on computer-based instruction for US Navy Personnel Research and Development Center.

***Media Specialist,*** Mt. Diablo Unified School District, Concord, CA, 1978-80. Assistant to director of instructional media center for a school district with 50,000 students. Consulted with schools and programs on media-based education. Coordinated workshops for teachers and administrators. Developed grant proposals and managed instructional development projects. Wrote and produced video and multimedia presentations. Directed The Nutrition Education Puppetry Project and conducted school-based research on health, nutrition, and behavioral change. California State Credential in School Administration/Supervision, 1975-80.

***Teacher-Mentor,*** Project Outreach, 1977-78, Mt. Diablo Unified School District, Concord, CA. First program in California in which students could earn credit without attending class through regular individual meetings with a teacher-mentor and related field experience supervised by the teacher-mentor.

***Associate,*** F. Allen Grant Associates, Ltd., Greenwich, CN, 1975-77. Developed training programs on advanced office communications systems for 1,000 managers and administrative assistants at a Fortune-100 corporation. Developed internal corporate training for the one of the world's first CRT-based word processing systems (Vydec). Managed contracts for training workshops and media production projects. Analyzed office communications systems. Wrote technical reports and proposals for corporate and government clients.

***Teacher,*** Mt. Diablo Unified School District, Concord, CA, 1971-74. Worked with various age/ability groups, including 5<sup>th</sup> grade, high school dropouts, adults, and the mentally gifted. California State Credential in Elementary Education Credential (Lifetime).

***Other Employment,*** 1960-71: apprentice carpenter, factory worker, logger, firefighter, letter carrier, nature and music camp counselor, veterinary technician.

# ***Professional & Academic Accomplishments***

## ***Chapters in Books***

- Allen, B.S. & Lawless-Reljic, S. (in press). In the presence of avatars: what makes teachers and student seem (un)real? In A. Cheney and R. Sanders (Eds.), *Teaching and learning in 3D immersive worlds: pedagogical models and constructivist approaches*. Hershey, PA: IGI Global.
- Allen, B.S., & Otto, R.G., & Hoffman, B. (2004). Media as lived environments: the ecological psychology of educational technology. In D.H. Jonassen (Ed.), *Handbook of research for educational communications and technology*, 2nd Ed. Mahwah, NJ: Lawrence Erlbaum Associates (ISBN: 0-8058-4145-8).
- Allen, B.S., Otto, R.G., & Hoffman, B. (2000). Case-based learning: Contexts and communities of practice. In Sigmund Tobias & J.D. Fletcher (Eds.), *Training and retraining: a handbook for business, industry, government, and the military* (a project of the Division of Educational Psychology of the American Psychological Association). New York: Macmillan/Gale Group (ISBN 0-02-897415-8).
- Allen, B.S., & Otto, R.G. (1996). Media as lived environments: the ecological psychology of educational technology. In David H. Jonassen (Ed.), *Handbook of research for educational communications and technology* (pp. 199-225). New York: Macmillan (ISBN 0-02-864663-0).
- Allen, B.S., Chiero, R.T., & Hoffman, R.P. (1995). Mapping more authentic multimedia learning environments. In Brent G. Wilson (Ed.), *Constructivist learning environments: Case studies in instructional design* (pp. 179-190). Englewood Cliffs, NJ: Educational Technology Publications. (ISBN 0-87778-290-3).
- Allen, B.S., & Hoffman, R.P. (1993). Varied support for constructive activity in hypermedia-based learning environments. In T. M. Duffy, D.H. Jonassen, & J. Lowyck (Eds.), *Designing environments for constructive learning: NATO Advanced Studies Institute, Series F: Computer and Systems Sciences*, Vol. 105, pp. 261-290. Heidelberg, FRG: Springer-Verlag (ISBN 3-540-56452-7).
- Allen, B.S. (1992). Constructive criticisms. In T.M. Duffy, & D.H. Jonassen (Eds.), *Constructivism and the technology of instruction: A conversation*. Hillsdale, NJ: Lawrence Erlbaum Associates (ISBN 0-8058-1272-5).
- Sterman, N.T., & Allen, B.S. (1992). The mediated museum: computer-based technology and museum infrastructure. In J. J. Hirschbuhl & L.F. Wilkinson (Eds.), *Computers in education* (5th Edition). Guilford, CN: The Duskin Group, pp. 226-230 (ISBN 1-56134—73-1). (Re-publication of Sterman & Allen, 1990-91)
- Allen, B.S. (1991). Virtualities. In B. Branyan-Broadbent & R.K. Wood (Eds.), *Educational Media and Technology Yearbook, Volume 17*, pp. 47-53. Englewood, CO: Libraries Unlimited (ISBN 0-87287-933-X).
- Allen, B.S. (1990). Graduate training for interactive multimedia designers. In B. Branyan-Broadbent & R.K. Wood (Eds.), *Educational Media and Technology Yearbook, Volume 16*, pp. 139-155. Englewood, CO: Libraries Unlimited (ISBN 0-87287-851-1).

## Articles in Refereed Journals & Proceedings

- Schutt, M., Allen, B.S., & Laumakis, M. (2009). The effects of instructor immediacy behaviors in online computer conferencing environments. *Quarterly Journal of Distance Education*, 10(2), ISSN 135-148. ISSN 1528-3518. (republication of Schutt, Allen, Laumakis 2007)
- Schutt, M., Allen, B.S., & Laumakis, M. (2007). The effect of instructor immediacy behaviors in different online learning environments. In Michael Simonson (Ed.), *30<sup>th</sup> Annual Proceedings of the Association for Educational Communications and Technology, Volume 1: Research and Development Papers*.
- Aurilio, S., & Allen, B.S. (2006). PowerPoint: pedagogy and more. *Proceedings of the 2nd International Open and Distance Learning (IODL) Symposium: Lifelong Open & Flexible Learning in a Globalized World*, (pp. 805-809). Eskisehir, Turkey: Anadolu University.
- Allen, B.S., & Brown, S.W. (1997). Introduction [to special issue on multimedia and interactivity] (ISSN 0020-4277). *Instructional Science*, 25(2), 75-77.
- Hirumi, A., Savenye, W., & Allen, B.S. (1994). Designing interactive videodisc-based museum exhibits (ISSN 1042-1629). *Educational Technology Research & Development*, 42(1), 47-55.
- Allen, B.S., Kompella, J., & Hoffman, R.P. (1993). Computer-based curriculum mapping. In M.R. Simonson, (Ed.), *Proceedings of Selected Research Paper Presentations at the 1993 Annual Convention of the Association for Educational Communications and Technology*.
- Sterman, N.T., & Allen, B.S. (1990-91). The mediated museum: computer-based technology and museum infrastructure. *Journal of Educational Technology Systems*, 19(1), 21-31.
- Allen, B.S., & Sterman, N.T. (1990, October 31). Prototyping interactive multimedia exhibits for museums: a case study. In D.W. Dalton (Ed.) *Proceedings of the 32nd Annual International Conference of the Association for the Development of Computer-Based Instructional Systems* (pp. 274-285). Ohio State University, Columbus: ADCIS International.
- Allen, B.S., Lipson, J.I., & Fisher, K.M. (1989). EPOSODE: Enhanced procedural orchestration through student observation and detection of errors (ISSN 0732-6718/89). *Machine-Mediated Learning*, 3, 147-167.
- Allen, B.S., & Eckols, S.L. (1989). IMPART: A prototype authoring system for interactive multimedia vocabulary tutorials and drills (ISSN 0710-4340). *Canadian Journal of Educational Communication*, 18(3), 207-220.
- Allen, B.S., Dodge, B.J., & Saba, F. (1989). Toward a curriculum for converging technologies: HyperCard and graduate training of educational product designers (ISSN 1042-1629). *Educational Technology Research & Development*, 37(4), 47-54.
- Allen, B.S. (1988, October). Electronic tapestry: Weaving coherent patterns from convergent technologies. *Tech Trends*, 33(5), 14-16.
- Allen, B.S., & Carter, C.D. (1988). Expert systems and interactive video tutorials: Separating strategies from subject matter (ISSN 0098-697X/88/15123). *Journal of Computer-Based Instruction*, 15(4), 123-130.
- Gresham, S.F., Ferguson, L.R., & Allen, B.S. (1988). Journaling systems: Integrating print and audio with applications software. *International Journal of Instructional Media*, 15(2), 115-123.
- Allen, B.S. (1986). A theoretical framework for interactivating linear video (ERIC No. EJ 344 302). *Journal of Computer-Based Instruction*, 13(4), 107-112.
- Allen, B.S., & Erickson, D.M. (1986). Training interactive videodisc designers (ERIC No. EJ 345 884). *Journal of Instructional Development*, 9(2), 19-28.
- Allen, B.S., Devney, A.M., & Sharpe, D.M. (1986). The effect of practice in detecting technical errors on performance of a simple medical procedure: Current research on interactive video at San Diego State University. *Computers in Nursing*, 4(1), 11-16.
- Allen, B.S., & Merrill, M.D. (1985). System-assigned strategies and CBI (ERIC No. EJ 322 462). *Journal of Educational Computing Research*, 1(1), 3-21.
- Allen, B.S. (1982). The video-computer nexus: Towards an agenda for instructional development (ERIC No. EJ 256 711). *Journal of Educational Technology Systems*, 10(2), 81-99.

- Stebbins, R.C., Allen, B.S., & Brown, C.W. (1977, June 21). *Method of and means for demonstrating evolution including chance determinations* (U.S. Patent Number 4,030,210). Washington, DC: U. S. Patent Office. This simulation-game was used fairly widely in high schools and colleges. The inventors chose not to enforce the patent.
- Stebbins, R.C., & Allen, B.S. (1975). Simulating evolution (ERIC No. EJ 118 212). *The American Biology Teacher*, 37(4), 206-211.

## **Refereed Presentations & Papers**

- Allen, B.S., Aurilio, S., & Reljic-Lawless, S. (2008, April 19). *Virtualities? Rich opportunities and pedagogical perplexities of immersive and social learning in virtual worlds*. 2008 Annual Meeting of the Western Association of Schools and Colleges Academic Resource Conference: Illuminating Learning, Accrediting Quality, San Diego, CA.
- Allen, B.S. (2008, April 17). *AzTrek: Knowledge is the final frontier for minds that move the world*. 2008 Annual Meeting of the Western Association of Schools and Colleges Academic Resource Conference: Illuminating Learning, Accrediting Quality, San Diego, CA.
- Schutt, M., Allen, B.S., & Laumakis, M. (2008, March 27). *What makes instructors seem real in online video and audio conferencing environments?* In Learning Online: Research and Models. Presentation at the Annual Conference of the American Education Research Association, New York.
- Allen, B.S., Doran, M., Oestreich, N., & Venable, C. (2007, February 13). *Mapping the accounting curriculum*. Accounting Programs Leadership Group Annual Seminar, San Diego, CA.
- Carey, T., Breiling, M.F., Manduca, C., & Allen, B.S. (2006, October 27). *First steps towards an online teaching commons: Perspectives on integrating scholarly resources on the web*. Proceedings of the International Society for the Scholarship of Teaching and Learning, Washington, DC.
- Carey, T., & Allen, B.S. (2006, October 27). *Extending re-usable learning resources to support an online teaching commons*. Theory and Research for a Scholarship of Practice: 31<sup>st</sup> Annual Conference of the Professional and Organizational Development Network in Higher Education, Portland, OR.
- Allen, B.S., Frazee, J., Julius, J., & Aurilio, S. (2006, August 10). *Missing the point: The PowerPoint pedagogy problem*. Working with and Learning from the World's Best: 6<sup>th</sup> Annual MERLOT Conference (Multimedia Educational Resources for Online Learning and Teaching), Ottawa, Canada.
- Allen, B.S., Hoffman, B., & Allen, B.E. (2004, July 7). *Realia—they're back and now they're virtual: will they help or hinder development of appropriate mental models?* Proceedings of the 11<sup>th</sup> Triennial World Conference, World Council on Curriculum and Instruction, Wollongong, Australia.
- Allen, B.S. (2004, April 15). *Affordable learning: using student learning outcome statements to guide cost, resource, and workload decisions*. Presentation at the 80th Annual Meeting of the Western Association of Schools & Colleges: Understanding Student Learning: Research and Praxis to Improve Effectiveness, San Jose, CA.
- Allen, B.S., & Watson, J.B. (2002, June 13). Metacognition and gender differences in an elementary school science tutorial. In K.M. Fisher (chair), *e-learning in science*. Symposium at the 83rd Annual Meeting of the American Association for the Advancement of Science, Pacific Division, Waimea, Hawai'i.
- Bober, M.J., & Allen, B.S. (2002, April 10). *Using accreditation to enhance student learning*. Annual Conference of the Western Association of Schools and Colleges (WASC), Senior Commission on Colleges and Universities, San Diego, CA.
- Watson, J.B., & Allen, B.S. (2002, April 4). *The effect of metacognitive prompts on student navigation, comprehension, and metacognitive awareness in a multimedia science tutorial*. Paper presented at the American Educational Research Association, New Orleans.
- McKean, M., Allen, B.S., & Hoffman, B. (2000, April 27). Sequential data analysis: Implications for assessment of usability in virtual museums. In Janette Hill (Chair), *Learning in Virtual and Informal Learning Environments*. Symposium Conducted at the Annual Meeting of the American Educational Research Association, New Orleans.

- Allen, B.S., Eckols, S.L., & Fielden, C.J. (1998, February 21). *Practitioner-oriented principles for usability design: development and evaluation of an online multimedia database*. Presentation at the Annual Convention of the Association for Educational Communications and Technology, St. Louis, MO.
- Allen, B.S., & Robinson, G.L. (1994, April 4). Building more authentic multimedia learning environments: An ethnographic approach. In Sigmund Tobias (Chair), *Alternative Learning Environments*. Symposium Conducted at the Annual Meeting of the American Educational Research Association, New Orleans.
- Allen, B.S. (1994, February 16). Rapid formative evaluation of prototype multimedia interfaces. In E. Morey (Chair), *Interface Design for Multimedia Instruction*. Symposium at the Annual Conference of the Association for Educational Communications and Technology, Division of Information Systems and Computers, Nashville, TN.
- Robinson-Stuart, G.L., & Allen, B.S. (1992, February 28). *Pair-A-Phrase*. Presentation at the Outreach Symposium, Computer Assisted Learning & Instruction Consortium, Monterey, CA.
- Allen, B.S. (1991, April 2). *Alice in networkland: Using computer-based semantic networks for instructional development*. National Conference of the National Society for Performance and Instruction, Los Angeles.
- Allen, B.S. (1989, February). HyperCard and graduate training on interactive video. In Cochenour, J. (Chair), *Curriculum for convergent technologies: Using multiple-level authoring tools to develop multi-media educational products*. Symposium at the Annual Conference of the Association for Educational Communications and Technology, Division of Information Systems and Computers, Dallas.
- Allen, B.S., & Allen, B.E. (1988, February). *Using component display theory for detailing lesson planning: A supplementary tool for clinical teaching*. Presentation at the 68th Annual Meeting of the Association of Teacher Educators, San Diego.
- Allen, B.S., & Sharpe, D.M. (1988, January). *Using interactive video to teach negotiation skills: A desktop simulation*. Presentation at the Annual Conference of the Association for Educational Communications and Technology, Showcase of Achievement, New Orleans.

### **Other Refereed Publications**

- Allen, B.S., & Marr, R.M. (1997, May 14). *The human factor in using electronic technology effectively* (cassette 54). One-Stop National Conference. Los Angeles, CA. Available: River's Duplication, 6922 Hollywood Blvd., Suite 219, Hollywood, CA 90028.
- Allen, B.S., Bournival, B., Fey, D. Ford, T., & Myers, A.M. (1997, May 14). *Examples of accommodations in One-Stops* (Cassette 55). One-Stop National Conference. Los Angeles, CA. Available: River's Duplication, 6922 Hollywood Blvd., Suite 219, Hollywood, CA 90028.
- Klein, J., Okey, J., Reiser, R., Driscoll, M., Grabowski, B., & Allen, B.S. (1991). *Instructional technology programs in the 90's*. Symposium at the Annual Conference of the Association for Educational Communications & Technology, Anaheim, CA (Cassette D122-652). Garden Grove, CA: InfoMedix.
- Allen, B.S., Bedford, J., Emery, D., Perrin, D. (1991). Enhancing CCTV: remote dial-up of and control of videotape players. In R. Mergener, (Chair) *Successful integration of new technologies*. Symposium at the Annual Conference of the Association for Educational Communications and Technology, Division of Educational Media Management, Anaheim, CA (Cassette D122-363). Garden Grove, CA: InfoMedix.
- Allen, B.S., & Eckols, S.L. (1989, February). HyperCard-based interactive video for language instruction. In R. Appleman, (Chair), *Facilitating production with HyperCard*. Symposium at the Annual Conference of the Association for Educational Communications and Technology, Media Design and Production Division, Dallas (Cassette Recording 353). Dallas: AVW Audio Visual, Inc.
- Allen, B.S. (1989, February). Reconsidering computer-based interactive video: Integrating instruction across many modalities. In E. Wagner, (Chair), *Instructional development and interactivity*. Symposium at the Annual Conference of the Association for Educational Communications and Technology, Division for Instructional Development, Dallas (Cassette Recording No. 424). Dallas: AVW Audio Visual, Inc.
- Hirumi, A., Savenye, W.C., & Allen, B.S. (1989, February). Convergent technologies and public information: using videodiscs to interactivate museum exhibits. In S. Siedman, (Chair), *Designing for videodisc production*. Symposium at the Annual Conference of the Association for Educational Communications and Technology, Division for Instructional Development, Dallas (Cassette Recording No. 443) Dallas: AVW Audio Visual, Inc.

## **Other Articles**

- Allen, B.S., Hoffman, R.P., & Pajak, A. (1994, November/December). A study of future trends in interactive multimedia development. *AVC Communicator*, pp. 1-4.
- Allen, B.S. (1994, April). A multiplicity of media: Changing paradigms for working and learning in multimedia environments. *Educational Technology*, 34(4), 33-34. (ERIC No. EJ481851)
- Allen, B.S. (1993). Instructional message design: principles from the behavioral and cognitive sciences, edited by Malcom Fleming and Howard Levie (book review) (ISSN 1042-1629). *Educational Research & Development*, 41(2), 112-114.
- Allen, B.S. (1991). The Evolution of American Educational Technology, by Paul Saettler (book review) (ISSN 1042-1629). *Educational Research & Development*, 39(4), 109-112.
- Allen, B.S. (1991, Fall). Global insights (guest column). *IICS Interact*, 3(1), 35. (journal of the International Interactive Communications Society)
- Allen, B.S. (1990, Spring). Graduate students and interactive multimedia at SDSU. *DET/CHE News*, 2(1), 10-15. (a publication of The Directors of Educational Technology/California Higher Education)
- Allen, B.S. (1989). Virtualities. *The Interact Journal*, 2(1), 20-24.
- Allen, B.S. (1989). From the sandbox. *DET/CHE News*, 1(1), 9-10. (a publication of The Directors of Educational Technology/California Higher Education.)
- Allen, B.S., & Allen, D.W. (1989, July). Cross porpoises: A fable about educational technology and the human spirit. *Educational Technology*, pp. 35-42.
- Hartsough, A. (Ed.), Miller, R.L., Daynes, R., Bork, A., Hon, D., Allan, D., Renan, S., Harris, M., Allen, B.S., Haukom, R., & Griffith, J. (1986). *Perspectives for producers: Interactive experts speak at 1st AVC Producers Forum* (excerpts from panel discussion). *AVC Communicator*, 17(3), 5-14.
- Allen, B.S. (1983). Communication and Education: Social and Psychological Interactions by Gavriel Salomon (book review). *Journal of Instructional Development*, 6(3), 33-34.

## **Awards & Honors**

- Recipient, Alumni Outstanding Faculty Award, San Diego State University, 2007.
- Dissertation Chair, Outstanding Doctoral Dissertation for 2002 in the Western US, Phi Delta Kappa. Study submitted by John B. Watson, based on his doctoral dissertation.
- 1<sup>st</sup> Place in Education, California State University Student Research Competition, 2001. Study Submitted by First Place Winner, John B. Watson, based on his doctoral dissertation, Brock S. Allen, Chair.
- Senior Research Fellowship, 1993, American Society for Engineering Education.
- Silver Cindy Award, Association of Visual Communicators, 1993. For *Somos—We Are*, with educational technology graduate students.
- Outstanding Professor, San Diego State University, Dept. of Educational Technology 1987, 1989, 1992.
- Member, Phi Beta Delta, 1989-2000. Honorary Society for International Scholars.
- L. C. Essig Distinguished Lecturer, 1988. Utah State University, Logan.
- Distinguished Visiting Lecturer, 1988, California State University, Los Angeles.
- Silver Cindy Award, Association of Visual Communicators, 1986. For *Taming Tomatoes*, with Dr. David M. Sharpe and graduate students.

## **Contracts, Grants, & Gifts Acquired for SDSU**

- Williams, K.S. (Principle Investigator) & Allen, B.S. (Co-Principle Investigator) (2010, June). *Project PLURIS: Purposeful learning in undergraduate research and independent studies*. Proposal submitted to the TUES Program (Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics) Directorate of Undergraduate Education), National Science Foundation, Washington, DC.
- Gifts and grants to the Department of Educational solicited by B.S. Allen from The Pine Family Foundation of Del Mar, CA, 1996-99. Gift totals to date: \$33,000.
- Hoffman, B., Ritchie, D., Allen, B.S., & Sharpe, D.M. (1997, Fall). *Tools, templates, and training: using on-line technologies to add value to CSU courses*. Proposal to The Office of the Chancellor,

- California State University System. San Diego State University Center for Learning, Instruction, & Performance Technologies. Grant funded for \$66,000.
- Allen, B.S. (1997, April 30). *Principles for one-stop information and training (POSIT): technical assistance services and workshop development*. Proposal to the Office of Workforce Policy, California State Employment Development Department. San Diego State University Center for Learning, Instruction, & Performance Technologies. Contract funded for \$66,802.
- Allen, B.S. (1997, January). *Principles for one-stop information and training (POSIT): Proposal to the Office of Workforce Policy, California State Employment Development Department*. San Diego State University Center for Learning, Instruction, & Performance Technologies. Contract funded for \$160,000.
- Cox, T., & Allen, B.S. (1988). *Proposal for a pilot interactive multimedia laboratory for language learning*. San Diego State University. California State lottery discretionary funds grant funded for \$47,000.

### **Published Educational Products**

- Allen, B.S., & Eckols, S.E. (Eds.) (1997). *Principles for one-stop information & training: Handbook of usability principles* (print version available as a PDF file). San Diego, CA: Center for Learning, Instruction, & Performance Technologies, San Diego State Univ. (35,000 words; 300 references and bibliography entries).
- Allen, B.S. (executive producer), & Walker, P. (technical director and editor) (1997). *POSIT—Principles for One-Stop Information & Training* (25-minute videotape). San Diego, CA: Walkervision Interarts.
- Faletti, J. (designer & implementer), Fisher, K M., Patterson, H.A., Lipson, J.I., Allen, B.S., Logan, J.D., & Thorton, R.M. (designers). (1994). *SemNet®* (Version 1.1) (Macintosh computer application). San Diego: SemNet Research Group.
- Allen, B.S. (executive producer), & Sharpe, D.M. (executive producer). (1988). *DISCourse: Finding your way to a negotiated agreement™* (Level III interactive videodisc and design documentation). Nashville, TN: Edudisc, Inc. Based on the best-selling book, *Getting to Yes: Negotiating Agreement without Giving In* by Roger Fisher and William Ury.
- Stebbins, R.C., & Allen, B.S. (1981). *Evolutionsspiel* (instructional simulation-game). Stuttgart, Federal Republic of Germany: Schlüter-Biologie.
- Allen, B.S. (project supervisor), Mancini, C. A. (project supervisor), Chessé B. K. (puppeteer), Armstrong, B. (artist), & Fox, N. (songwriter). (1980). *Nutrition education puppetry project* (multimedia materials including filmstrips, work sheets, audio tapes, comic books, posters, and handbook for school personnel). Concord, CA: Mt. Diablo Unified School District.
- Allen, B.S. (writer/producer), & Chessé, B.K. (producer). (1979). *The snack match; A balanced meal; You need teeth; Tasty treats; and The stomach sisters* (five television public service announcements). Berkeley, CA: Berkeley Film Institute. Ran for two years on Group W stations. Cited in testimony before the US Congress as exemplary children's television programming.

### **Invited Presentations at National & International Conferences**

- Allen, B.S., Greybill, B., Lazarus, W. Weeks, G., & Wilson, R.M. (2002, August 26). *User-friendly workshops*. Workforce Intelligence Summit, 2002, National Association of State Workforce Agencies.
- Allen, B.S. (1997, December 17). *Tecknowledgy*. Presentation at the US Department of Labor's Joint Employment & Training Technology Conference. Chicago.
- Allen, B.S., & Hamilton, V. (1996, July). *Usability issues in the delivery of Electronic One-Stop Services*. Joint Education Training & Technology Conference, Washington, DC.
- Hoffman, R.H. (researcher/writer), Allen, B.S. (researcher/writer), & Pajak, A. (multimedia producer). (1994, June). *Movin' on down the road: results of the AVC Delphi study on trends in multimedia* (multimedia presentation). Association of Visual Communicators 35th Annual International Cindy Awards Banquet, Anaheim, CA. Presentation taped for use by the Screen Actors Guild.
- Allen, B.S., & Logan, J. (1993, September 23). *The Learning Studio*. Business Week Information Highways 1993: The Computerization of Business and Society, New York.

- Allen, B.S. (1991, May 14-18). *Supporting conventional instructional design with semantic networks: a transitional approach*. NATO Advanced Research Workshop on the Design of Constructivist Learning Environments, University of Leuven, Belgium.
- Allen, B.S. (1990, August 22). *Interactive multimedia: graduate training for teachers and instructional designers*. Conference on Educational Technology in the United States and Japan, Stanford University.
- Allen, B.S. (1988, November). *Hypermedia: Harmonizing instructional representations in various modalities*. Invited presentation to the Second Plenary Session, Third National Conference on Computer-Based Education in China, Guangzhou (Canton), Peoples Republic of China.
- Allen, B.S. (1988, November). *Using component display theory to plan and evaluate lesson designs*. Invited presentation at the Third National Conference on Computer-Based Education in China, Guangzhou (Canton), Peoples Republic of China.
- Allen, B.S. (1988, August). *Training interactive videodisc designers*. Invited presentation at Seminar 1988, Association for Educational Communications and Technology, Utah State University, Logan.
- Allen, B.S., Hon, D., Vertucci, P.J., Allen, D.M., & Singarella, T. (Chair). (1988, May). *The future of videodisc utilization in the health sciences*. Panel discussion conducted at Plenary Session 1, Annual Meeting of the Health Sciences Communications Association, San Diego.
- Allen, B.S. (1988, May). *Designing successful interactive video instruction*. Invited half-day workshop presented at the Annual Meeting of the Health Sciences Communications Association, San Diego.
- Allen, B.S. (1987, February). *Interactive video in the health sciences*. Invited workshop at the Health Sciences Communications Association Conference on Telelearning in the Health Sciences, Atlanta.
- Merrill, M.D., & Allen, B.S. (1981, April). *Instructional resynthesis via computer-controlled images*. Keynote address at Symposium on Computer Assisted Learning, University of Leeds, England.

### ***Selected Technical Reports & Working Papers***

- Allen, B.S. (2001). *Educare: a play in one act*. Unpublished manuscript. Department of Educational Technology, San Diego State University.
- Allen, B.S., Eckols, S., & Jania-Smith, D. (1996, May 6). *Principles for One-Stop Information & Training: Initial analysis of technical trends and usability issues*. Sacramento, CA: Office of Workforce Policy, State of California Employment Development Department. (16,000 words; 85 refs. & bib. entries) Retrieved October 22, 2001 from
- Allen, B.S., & Muroi, L. (Eds.) (1996, April 26). *Reflections and recommendations on instructional technology issues*. Senate Panel on Instructional Technology, Group 2. San Diego State University.
- Allen, B.S., Hoffman, R.P., & Pajak, A. (1994, November/December). A study of future trends in interactive multimedia development. *AVC Communicator*, pp. 1-4. Association of Visual Communicators, San Diego, CA.
- Allen, B.S., & Allen, B.E. (1990, January 8). *Desenvolvimento do Ensino de Procedimentos e Tecnicas*. Departamento Regional do SENAC no Estado de São Paulo, Brazil.
- Allen, B.S. (1989). *Interactive video 2: Designing interactive multimedia* (5th revision) (workbook). Hollywood, CA: Sony Institute of Applied Video Technology.
- Allen, B.S., (project director), Dwyer, T., Eckols, S. L., & Redmond, K. (1989, June). *Development of an electronic glossary of instructional development concepts and terminology*. Unpublished report on work funded by the California State University Research, Scholarship, and Creative Activity Awards program, San Diego State University.
- Allen, B.S. (1988, Fall). *Introduction to interactive training products* (workshop participant's manual and instructor's guide). Bellevue, WA: Institute for Interactive Learning.
- Derryberry, A. (author), & Allen, B.S. (project coordinator). (1988, February). *Using level 2 interactive video for beginning foreign language instruction in a whole-group setting: An interim report*. Unpublished report, San Diego State University, the Department of Educational Technology and the Language Acquisition Resource Center.
- Allen, B.S., Charles, J.P., Rogers, D.H., & Sims, J.D. (1987, August). *C-17 aircrew training system instructional technology use recommendations* (technical report). Allen Corporation of America, San Diego.

- Allen, B.S. (1982). The effects of system-assigned learning strategies and hierarchical displays on acquisition of coordinate concepts: an exploratory study utilizing a computer-based research tool. In M.D. Merrill (Ed.), *Final report: improving instruction and training through the use of conscious cognitive strategies* (NPRDC Project Number N00 123-81-C-062) (technical report). San Diego: Naval Personnel Research and Development Center.
- Allen, B.S. (1974). *Simulating evolution: A field study of a prototype instructional game for elementary schools*. Unpublished master's thesis. Educational Psychology Library, University of California, Berkeley. (Call no. LB6. A4253)

## **Software Prototypes**

- Allen, B.S. (executive producer) (1992). *Somos (We Are)*. (HyperCard-based Level III interactive video program in Spanish). San Diego: Department of Educational Technology, San Diego State University.
- Allen, B.S., Robinson-Stuart, G.L., Hoffman, R.P., Babb, J., & Eckols, S.L. (1992). *Pair-a-Phrase* (HyperCard-based Level III interactive video authoring software for multimedia language lessons). San Diego: San Diego State University, Language Acquisition Resource Center.
- Hoscowicz, C.M. (designer/developer), & Allen, B.S. (designer). (1992). *WayFinder 2.0* (HyperCard 2.0-based program for converting *SemNet* ® files to HyperCard stacks). Department of Educational Technology, San Diego State University.
- Allen, B.S. (executive producer) (1991). *Techquest*. (HyperCard-based Level III interactive video program). San Diego: Department of Educational Technology, San Diego State University.
- Berlfein, E. (designer/developer), & Allen, B.S. (designer)(1989). *VideoHype 1.2*. (HyperCard-based Level III interactive video authoring software). San Diego: Department of Educational Technology, San Diego State University.
- Eckols, S.L. (software engineer), Allen, B.S. (project director), & Rogow, A. (programmer). (1989). *IMPART: Interactive Multimedia Paired Associate Rehearsal and Training*. (HyperCard-based Level III interactive video authoring software). San Diego: Department of Educational Technology, San Diego State University.

## **Selected Local & Regional Presentations**

- Allen, B.S. (1998, April 9). *Creating user-friendly customer service*. Presentation at the California Workforce Development Forum: Workforce Solutions for the Future. San Diego, CA.
- Allen, B.S., & Hoffman, R.P. (1996, September 26-27). *Project-based learning: Getting ready for on-line delivery* (exhibit). Learning with Technology: Exploring Future Alternatives, Campus-Wide Faculty & Staff Showcase, and San Diego State University.
- Allen, B.S. (1996, September 26). *What's usability got to do with it?* Learning with Technology: Exploring Future Alternatives, Campus-Wide Showcase, San Diego State University, San Diego, CA.
- Allen, B.S. (1996, September 16). *Media as lived environments*. Life and Death in the Computer Ages: Master of Arts in Liberal Arts Guest Speaker Series, San Diego State University.
- Allen, B.S. (1997, September 3). *Principles for designing and selecting technology solutions*. Technology @ Your Service Conference. California Workforce Association.
- Allen, B.S. (1997, September). *Instructional futures* (keynote address). Faculty Convocation, Miramar College, San Diego, CA.
- Allen, B.S. (1996, June 14). *Weaving the tapestry: From problems to projects* (keynote address). CSU Institute on Distributed Courseware for Problem Based Learning, San Diego State University.
- Allen, B.S. (1996, June). *Media as lived environments*. International Interactive Communications Society, San Diego.

## ***Peer Review & Editorial Activities***

Proposal Reviewer, National Science Foundation, Washington, DC, 2001-2002, 2008-2009.  
Consulting Editor, Research Section, *Educational Technology Research & Development*, 1989-2009.  
Member, Review Panel, Young Researcher Award, Association for Educational Communications and Technology, 2001, 2002  
Co-Editor, Special Issue of *Instructional Science* on multimedia, 1997.  
Reviewer, Paper proposals, Association for Educational Communications & Technology, 1985-1997.  
Consulting Editor, *Computers in Human Behavior*, 1994-98.  
Reviewer, Paper proposals, American Educational Research Association, 1997, 1998, 2000.  
Member, Outstanding Article Committee, Association for Educational Communications & Technology.  
Member, Editorial Board, Research Section, *Educational Technology*, 1992-96. Consulting Editor, 1992-97.  
Consulting Editor, Development Section, *Educational Technology Research & Development*, 1989-97.  
Judge, Annual Cindy Awards Association of Visual Communicators, 1986, 1992, 1993.  
Founding Co-Editor, *Interact Journal*, International Interactive Communications Society, 1987-1990.  
Reviewer, *American Journal of Distance Education*, 1989.

## ***Offices in Professional Associations***

President, Division of Instructional Development, 1990.  
Association for Educational Communications & Technology, Washington, DC.  
Chair, Publications Committee, 1987, International Interactive Communications Society, Washington, DC.  
Board Member, 1987, International Interactive Communications Society, Washington, D.C.  
Founding President, 1985-87, International Interactive Communications Society, San Diego.

## ***Membership in Professional Organizations***

American Educational Research Association  
American Association for the Advancement of Science

## ***Higher Education Development, Administration, & Reviews***

Reviewer, Discipline-Specific Grant Proposals, CSU Institute for Teaching and Learning, Fall, 2005.  
Member, Faculty Development Council, California State University, 2003-current.  
Member, Review Team, Joint Doctoral Program in Education, Rhode Island College and University of Rhode Island. Review conducted at the request of the New England Association of Schools and Colleges (NEASC), 2002.  
Interim Associate Dean for Faculty Systems Development, College of Education, 2001-2002.  
Consultant to Harcourt E-Learning, and Harcourt Higher Education, 1999-2001.  
Consultant to California Lutheran University, Thousand Oaks, CA, 2000.  
Member, Accreditation Review Team, Cogswell Polytechnical College, Western Association of Schools and Colleges, Commission on Senior Colleges and Universities (show cause to prevent termination of accreditation) 1998.  
Consultant on Degree Proposals to the Office of the Chancellor, California State University, 1998.  
Delegate, Shared Visions Conference and Future Search Conference, San Diego State University, 1997.  
Member, Senate Panel on Instructional Technology, Spring, 1996. Co-edited major sections of the Committee's recommendations to the Senate Executive Committee.  
Co-Organizer, Ad Hoc Committee on Emerging Technologies, 1995-96. With Bob Hoffman, wrote report on emerging technologies and presented it to Associate Vice President Singer and to the SDSU Dean's Council. The AHCET also co-sponsored, with the College of Education, a university-wide showcase on technologies in higher education.  
Co-Founder, SDSU Language Acquisition Resource Center; Member, Advisory Committee; Senior Technical Consultant on Educational Technology, 1992-96.

## ***Selected Service to SDSU above the Department Level***

Donor, The Campanile Foundation, San Diego State University.

Member, Academic Review Committee, School of Accountancy, SDSU College of Business Administration, Forthcoming, May 1-2, 2008.

Member, SDSU Senate Committee on Academic Policy and Planning, 2002-2008.  
Chair, Subcommittee on Syllabi and Course Proposals.

Consultant to SDSU Student Learning Outcomes Committee. Analyzed assessment plans of approximately a dozen degree programs and wrote, for distribution to the departments, letters evaluating program progress.

Member, Search Committee, Associate University Librarian, SDSU Library and Information Access, 2006-2007.

Contributor, *SDSU Curriculum Guide*, 2006, 2009-2010.

Chair, Academic Review Committee, School of Theater, Television and Film, SDSU College of Professional Studies and Fine Arts, April, 2006.

Member, Search Committees: Director and Associate Director of Instructional Technology Services; Academic Affairs Information Technology Coordinator; Director of Information Systems and Technology, Library and Information Access, 2005-2006.

Chair, University Patent and Copyright Committee, 2004-2005. Member, 1999-2007.

Member, University Research Council, 2001-2004.

Member, COE Doctoral Program Committee, 2002-2003.

SDSU Coordinator, Cohort 1, SDSU-USD EdD in Educational Technology, 2000-2003.

Member, Panel for the Administrative Review of the Dean of the SDSU School of Professional Studies and Fine Arts, 2001.

Member, Search Committee, Information Services Professional, National Center for the 21<sup>st</sup> Century Schoolhouse. Summer, 2001.

Member, SDSU Senate, 2000-2003.

Member, College of Education Personnel Committee, 2000-2001 and Chair, 1992-93.

Member, College of Education Curriculum Committee, 1999-2001.

Coordinator and Advisor, SDSU-USD Joint Doctoral Program in Education, Specialization in Educational Technology, 1999-2003.

Department Representative, SDSU Joint Doctoral Programs in Education, 1997-1999. Developed curriculum and authored course proposals for 30-unit doctoral specialization in educational technology.

Member, SDSU President's Associates, 1997-1999.

Co-Organizer, "Focus on Inquiry," SDSU College of Education Initiative on Research and Inquiry, 1997-1998. Developed and led two semi-annual college-wide faculty-staff assemblies on inquiry and its relationship to the University's teacher-scholar model. Wrote, directed, and performed in *Educare*, a one-act play on epistemological issues in educational inquiry.

## ***Other Service Activities***

Faculty adviser to SAGE, the Department of Educational Technology's student organization. Served as founding adviser in 1989 and served 1989-1993 and 1996-2001.

Member, Subcommittee on Technology and Serving Individuals with Special Needs.  
Electronic One-Stop Steering Committee, Sacramento, CA, 1997

Co-Founder and Consultant on Educational Technology, 1992-1996.  
San Diego Consortium for Workforce Education & Lifelong Learning.

Member, Board of Directors, Applied Behavioral and Cognitive Sciences, Inc., El Cajon, 1987-1999.  
Founded by literacy expert and UNESCO Literacy Prize Committee member, Dr. Thomas Sticht, ABCS was a non-profit corporation engaged in educational R&D on literacy and life-long learning.

Member, Board of Directors, Vortex Interactive, Inc., Carlsbad, CA, 1995-2001. Vortex, a pioneering developer of multimedia training and education programs including driver training systems and bought out by General Electric Corporation.

## ***Selected Consultancies***

American Association for the Advancement of Science, 2010.  
Rady Children's Hospital, San Diego, CA, 2009.  
Electronic and Information Technologies, Research Triangle, NC, 2002.  
Office of Workforce Policy, California State Employment Development Department, 1996-1999.  
National Labor Market Information Consortium, 1998-99.  
Georgia Department of Labor, 1997-98.  
Scientific Applications International Corporation; 1990-93, 1999-2000.  
Project Catalyst, National Science Foundation, 1992.  
Horizons Technology Incorporated, 1991-92.  
Digital Equipment Corporation, 1991.  
National Apparel Technology Center, 1990.  
Serviço Nacional de Aprendizagem Comercial, São Paulo, Brazil, 1990.  
Sony Institute of Applied Video Technology, 1987-90.  
Executive Development Service, National Security Agency, 1989.  
Canadian Centre for Learning Systems, 1989.  
National Cryptological School, National Security Agency; 1988-89.  
Institute for Interactive Learning, Seattle, 1988.

## ***Courses Taught or Supervised at San Diego State University***

HONOR 496 *Virtualities: Mapping Videogames and Simulations onto Real Life* (honors course)  
EDTEC 404 *Instructional Media*  
EDTEC 496 *Technology and Lifelong Learning*  
EDTEC 540 *Educational Technology*  
EDTEC 544 *Instructional Design*  
EDTEC 640 *The Psychology of Technology-Based Learning*  
EDTEC 644 *Advanced Instructional Design*  
EDTEC 653 *Multimedia and Hypermedia*  
EDTEC 671 *Instructional Multimedia*  
EDTEC 700 *Special Topics in Educational Technology*  
EDTEC 798 *Special Study*  
EDTEC 775 *Directed Internship in Educational Technology*  
ED 791 A *Evaluation Techniques*  
ED 791 BC *Practicum: Evaluation*  
ED 797 *Research*  
ED 799 *Thesis (MA)*  
ED 831 *Educational Technology Research & Development*  
ED 833 *Cognition and Interactive Learning*  
ED 837 *Mentoring, Coaching, and Teaching Educational Technology*  
ED 896 *Doctoral Internship in Education*  
ED 899 *Doctoral Dissertation*