

JAMES E. GALL

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EDUCATION:

Florida State University, Tallahassee, FL 32306

Ph.D. in Instructional Systems

Fall, 1989 – Summer, 1995 GPA: 3.95

Pennsylvania State University, University Park, PA 16802

M.S. Degree in Instructional Systems

Fall, 1987 – Spring 1990 GPA: 3.73

Edinboro University of Pennsylvania, Edinboro, PA 16444

B.S. Degree in Computer Science, Minor in Mathematics (Summa Cum Laude with Honors)

Fall, 1983 – Spring 1987 GPA: 3.91

GRE Scores: Verbal 660, Quantitative 780, Analytical 760

SAT Scores: Verbal 630, Mathematics 750

AWARDS:

Apple Computer Distinguished Educator, 2003

Ruby Diamond Fellowship, 1992

F.S.U. University Fellowships, 1989 – 92 (3 Consecutive Awards)

Florida State University Dean's Fellow, 1989

Who's Who Among Students in American Univ. and Colleges, 1987

Honors and Alumni Undergraduate Scholarships

National Merit Scholarship Finalist, 1983

Alpha Chi Honors Society, Edinboro Chapter President, 1983

Pi Mu Epsilon Mathematics Honors Society

Phi Eta Sigma Freshman Honors Society

WORK:

Department of Educational Technology

University of Northern Colorado, Greeley, CO 80639

Associate Professor

Taught courses in the field of educational technology, specializing in those involving the design and development of software solutions. Supervised the management of the College of Education's 63 station, multi-platform computer laboratory. Served on the college's curriculum and the university's technology committees, and was a member of the graduate and teacher education faculties. Promoted to associate and received tenure in 2005.

Fall 1998 – Present

WORK (cont.):

Multimedia Learning Simulations

Andersen Consulting, St. Charles, IL 60174

Instructional Design Manager

Designed and developed computer-based courseware for use in the training of Andersen Consulting professionals. Specific examples include the development of negotiation skills, the application of generate demand principles in the creation of a business strategy, and creating effective communications. Also, participated in an internal special interest group examining issues regarding the application of object-oriented principles to analysis and design.

Fall 1996 – Summer 1998

Educational Technology Group

Arthur Andersen, St. Charles, IL 60174

Lead Instructional Designer

Designed and developed computer-based courseware for use in the training of Arthur Andersen professionals. Specifically, served as one of the primary designers of a multimedia adaptation of Peter Senge's *The Fifth Discipline*. In that role, was involved in all aspects of design and development including: conducting content discussions and reviews with Dr. Senge and his colleagues, designing instructional materials and feedback, developing scripts, participating in video shoots, facilitating user tests, and documenting project work.

Winter 1995 – Fall 1996

Center for Educational Excellence

United States Air Force Academy, Colorado Springs, CO 80840

Assistant Director of Educational Technology

Designed and developed computer-based courseware for use in higher education. Specific examples include a simulation of the jet-propulsion cycle and courseware for the basic design of satellite systems. Supported faculty efforts through consulting and the presentation of faculty development workshops. Managed and maintained a faculty computer resource area. Conducted numerous briefings at the general officer level on the use of educational technology at the Academy. Taught courses in statistics and research design through the Academy's Department of Behavioral Sciences.

Spring 1992 – Winter 1995

Department of Aeronautics

United States Air Force Academy, Colorado Springs, CO 80840

Courseware Development Consultant

Conducted the analysis and design of courseware in support of a core course in engineering and thermodynamics. The early success of this project led to my full-time employment at the Academy.

Spring 1992

Center for Educational Technology

Florida State University, Tallahassee, FL 32306

Research Assistant

Maintained and supported software for a job skills curriculum operating on a TICCIT computer system. Duties required working knowledge of the content area, the TICCIT system, and the programming/authoring language used to create the courseware.

Fall 1991

WORK (cont.):

Continuing Technical Development

Electronic Data Systems (EDS), Southfield, MI 48086

Multimedia Specialist (as an Instructional Systems Intern)

Developed and documented procedures for the instructional design of computer-based training within the framework of EDS' established design methodology. Also, presented on the use of computers as a training medium to various groups within EDS.

Summer 1991

Center for Educational Technology

Florida State University, Tallahassee, FL 32306

Research Assistant

Designed and developed computer-based courseware and learning environments in support of various center projects. Also, responsible for the advisement and support of other project members in using computer resources.

Fall, 1989 – Spring 1991

Department of Educational Research

Florida State University, Tallahassee, FL 32306

Teaching Assistant

Assisted students in the use of computer resources for course projects. Also, delivered class lectures on courseware topics at the request of the instructor.

Spring 1990

Department of Planning Studies

Pennsylvania State University, University Park, PA 16802

Graduate Assistant

Organized and maintained computer resources in support of staff activities. Also, designed and developed specialized applications as dictated by the needs of the professional staff.

Fall, 1987 – Summer, 1989

Business Information Systems

General Electric (GE), Erie, PA 16531

Computer Programming Analyst

Designed and developed mainframe computer programs to serve the needs of the various departments within the organization. Also, responsible for troubleshooting and adapting existing software.

Spring, 1985 – Summer, 1987

Department of Computer Science

Edinboro University of Pennsylvania, Edinboro, PA 16444

Computer Science Tutor

Offered assistance with hardware and software for all students using the resources of the computer mainframe laboratory. Also, aided students in the study of computer science topics.

Fall, 1985 – Spring, 1987

SERVICE:

External

Educational Technology Research & Development Research Section
Reviewer, Fall 2000 – Present. Have conducted professional scholarly reviews of 14 articles (to date) for the top journal in the field.

Department of Defense Instructional Design Consultant, 2006. Worked with Boulder cultural anthropology consultants, Micro Analysis and Design, on developing a proposal for the Developing Cultural Training for Army Special Operations Forces (ARSOF) Soldiers project. The final contract was awarded to a competing group.

Apple Distinguished Educator Program, 2003 – Present. One of only two educators in Colorado recognized in 2003 and the only one in higher education. Highlights include participation in professional development activities funded by Apple during summer 2003 and summer 2004; transfer of new technologies to UNC (QuicktimeVR); and participation in the Communities of the World project in 2005.

United States Air Force Academy Outside Consultant, 2002 – Present.
Conduct and prepare data from focus groups to evaluate Academy courses and special programs. Supervise UNC doctoral students from educational technology in performing similar duties as paid interns.

External Reviewer, *National University's Master of Science Program in Instructional Technology*, Spring 2002. Served as external reviewer for Master of Science Program in Instructional Technology at California's National University. Conducted on-site visit and wrote external evaluation report.

Research Partner, *A Comparison of Hand Held Water Quality Monitoring Technologies in the Eby Creek Watershed Geographic Survey*, Palm Education Pioneers Grant, 2001. Served on advisory board that reviewed and wrote letters of support for funded investigation of students using Palm technology PDAs to monitor water quality.

Journal of Computer-Based Instruction Editorial Screening Committee, 1993.
Assisted editor by pre-reviewing articles for technical content and clarification prior to sending them for professional review.

University

SES490 Volunteer, Fall 2004 – Spring 2005, Fall 2006. Participated as client volunteer for Sports and Exercise Science class in personal training.

Information Technology Committee (ITEC), University of Northern Colorado, Fall 1998 – Spring 2002. COE representative to campus-wide committee on technology initiatives and distribution of student technology fee monies.

SERVICE (cont.):

ITEC Sub-Committee: Planning, University of Northern Colorado, Fall 1999 – Spring 2002. Assigned to sub-committee devoted to designing and developing campus-wide standards for technology solutions.

ITEC Sub-Committee: Allocations, University of Northern Colorado, Spring 2000. Assigned to sub-committee that reviewed and made approval decisions on the distribution of all student technology fee monies for 2001-2002.

ITEC Sub-Committee: Messaging System Evaluation, University of Northern Colorado, Spring 1999. Assigned to sub-committee that scheduled and evaluated vendor responses to the campus-wide messaging system. Because of high costs, the committee recommended the current Microsoft Exchange system for faculty/administration while retaining lower-end services for the student body.

ITEC Sub-Committee: Messaging System RFP, University of Northern Colorado, Fall 1998. Assigned to sub-committee that designed and created the RFP for a campus-wide messaging system (e-mail, calendar, etc.).

Technology Preparation Task Force (Special Administrative Committee), University of Northern Colorado, Spring 2001. Appointed to presidential committee that drafted and submitted a special report on the development of technology skills among UNC undergraduates.

College

iWebFolio Pilot Project and Training, 2005 – Present. Participated in initial training and testing of the iWebFolio system for online digital portfolios. Conducted training with the initial post-bac elementary group. Due to technical issues, conducted in-depth network testing of the website. Worked with the online Educational Technology students in piloting the use of the system for that program. Involved in planning of full-scale implementation for elementary and secondary programs. Involved in college-wide efforts to implement the new technology.

Doctoral Research Endorsement, 2005 – Present.

Graduate Faculty, Fall 1998 – Present.

Teacher Education Faculty, Spring 1999 – Present.

ICET Lab Coordinator, Fall 1998 – Present. Received course release for supervision and management of the College of Education's 66 workstation Windows and Macintosh computer lab. Responsible for college budget of approximately \$7K per year and student tech fee contribution of an estimated \$65K per year (in routine maintenance and services).

SERVICE (cont.):

COE Web Server Administrator, Fall 1998 – Present. Oversaw upgrade of ET/COE server to industry-standard Macintosh OSX/Apache solution. Responsible for all support and custom web solutions for college users (currently, approximately 19 faculty, 95 graduate students, 13 courses, and 13 additional grants/programs).

Secondary PTEP Faculty Partner, Fall 2004 – Present. Received course release for being a COE representative on the partner team. Conducted coursework, portfolio review, and evaluation of all students assigned to Windsor High and Middle Schools (approximately 40 students per semester). Conducted on-site observations of all STEP 363 students assigned to Windsor.

COE Banner Bearer, Undergraduate Commencement, Fall 2004.

COE Technical Staff Supervisor, Fall 1999 – Fall 2004. At the request of Dean Koponak, took over supervision of COE systems administrator and student technicians (previously reported directly to Dean). Assisted in the development and management of COE and IT policies regarding technical support, including the transition to centralized help desk management. Assisted in transfer of duties from myself to direct IT supervision in 2004.

COE ITECH Supplemental Funding Request Coordinator, Spring 1999 – Spring 2004. Wrote and coordinated COE requests for additional funding from student technology fee monies. During this time period, \$200,988 in funding for the college was received. Requests that I personally researched and wrote received \$170,636 in funding (85% of the total received by the college).

Volunteer Support, *Preparing Tomorrow's Teachers to Use Technology*, U.S. Department of Education Grant, 1999-2003. Performed a variety of volunteer services in support of the PT3 grant including, but not limited to: attending DOE grant application workshop, creating web infrastructure for grant activities, conducting workshops in digital audio and video, developing online assessment instruments for data collection.

Technical Advisor, *Online Delivery of Bilingual Education and English as a Second Language Programs*, U.S. Department of Education Grant, 1999 – 2003. Reviewed and advised on technical aspects of the delivery of bilingual education courses via the web. Designed and developed technology solutions for synchronous and asynchronous communication.

Principal Investigator, *Pilot Study of Ebook Technology in the Classroom*(Funded, \$1,950), UNC Center for Collaborative Research in Education Grant, 2001. Implemented delivery of graduate content in ebook format as part of a classroom case study. Presented results of the case study at the Association for Educational Communications and Technology conference in Atlanta, GA (Fall 2001).

Nominee, Outstanding Service Provider in the College of Education, 2000.

SERVICE (cont.):

Principal Instructor, *Colorado Institute of Technology Inaugural Technology Institute for Teachers*, 2000. Co-wrote and served as principal instructor for funded (\$109,700) grant that delivered technology instruction for local K-12 educators.

College of Education Curriculum Committee, University of Northern Colorado, Fall 1998 – Spring 1999. Served as department representative to committee that reviewed and approved all catalog/curriculum changes within the college.

Department

Department Chair, Summer 2005. Evaluated master's degree applicants, approved budgets, coordinated teaching loads. Assisted in transition from department to school structure within the college.

EDTECH Department Evaluation Committee, Spring 2000 – Present. Active participation in department evaluation of peers.

EDTECH Annual Progress Reports, 1998 – Present. Have contributed and participated in all annual progress reports for the department of educational technology. Including reports required for the University's Charting the Future initiative.

EDTECH Comprehensive Exams Coordinator (Masters and Ph.D.), Spring 2001 – Fall 2003. Coordinated development of questions for masters and doctoral comprehensive exams. Managed planning and administration of exams for all students during this period. Instigated and oversaw transition of doctoral exams from three proctored sessions to new format of one proctored and two open book sessions (involving more in-depth answers and direct library research).

ET Program Review, Spring 2003. Contributed to and participated in external review of ET programs. The external reviewer noted in her final report, "I would judge labs and classrooms to be slight ahead of FSU [Florida State University] in terms of technology."

EDTECH Faculty Search Committee, Fall 2002 – Spring 2003. Fully participated in search committee that successfully hired Dr. Falvo.

Program Report for ECIT Programs at the University of Northern Colorado Department of Educational Technology (Spring, 2001). Contributed to and participated in successful AECT/NCATE re-accreditation of ET programs.

EDTECH Faculty Search Committee (co-chair), Fall 1999 – Spring 2000. Co-chaired search committee that successfully hired Dr. Ku.

UNC Reception Coordinator, Association for Educational Communications & Technology (AECT) Conference, Longbeach, CA, February 16 – 20, 2000. Planned, funded, and coordinated recruitment reception for department at national conference.

- SERVICE (cont.):** EDTECH Student Outcomes Assessment Plan, 1999. Contributed to and participated in self-study of student outcomes in Educational Technology.
- Community (Non-Professional)
- Northern Colorado Ice Hockey Referee Association, Greeley Scheduler, Fall 2005 – Present. Schedule and monitor officials for all USA Hockey games scheduled at the Greeley Ice Haus and Mountain States Arena.
- USA Hockey Youth Referee, 2003 – Present. Certified Level 2 USA Hockey official. Have officiating numerous youth hockey games from Mite (8 and under) through Midget (16 and under). Have served as an off-ice official/scorekeeper for all USA Hockey age levels and the High Plains High School Hockey League.
- Volunteer, *Human Society of Weld County*, 1998 – Present. Volunteered time in caring for the well-being of shelter dogs (I've had no interaction with the cats). Highlights include the coordination of ET504 students in developing materials for the shelter and my personal rescue/adoption of three dogs.
- PROF. ASSOCIATIONS:** Association for the Advancement of Computing in Education (AACE)
Association for Educational Communications & Technology (AECT), Design & Development Division, Research & Theory Division
American Educational Research Association (AERA), Learning & Instruction Division
- COURSES TAUGHT:** *United States Air Force Academy*
BS331 Basic Research Methods and Statistical Tools
BS332 Advanced Research Methods and Statistical Tools
- University of Northern Colorado*
ET247 Technology in Education for Elementary Teaching
ET500 Introduction to Educational Technology
ET501 Introduction to Applications of Educational Technology
ET503 Computers in Education
ET504 Instructional Materials Design
ET524 Design of Computer Assisted Instruction
ET601 Strategies for Teaching Technology Skills
ET617 Development of Online Applications
ET627 Computer Assisted Instruction Authoring Systems
ET628 Design of Multimedia Learning Environments
ET784 Doctoral Seminar in Educational Technology
ET695 Information Design and Knowledge Management
ET695 Portfolio Design
SRM602 Statistical Methods I
- PROF. DEVELOPMENT** EPSY685 Advanced Seminar in Learning and Cognition (Participant)
SRM641 Structural Equation Modeling (Participant)
SRM680 Introduction to Qualitative Research (Participant)

- PUBLICATIONS - JURIED:** Bauer, J., Gall, J., Hsin-te, Y., Wu, Y.F. (submitted, 2007). Implementing a campus-wide web-based portfolio system for teacher education. *Technology and Teacher Education Annual*, 2007.
- Lohr, L. and Gall, J.E. (accepted, to be published in 2007). Representation strategies. Invited to co-author a chapter in the upcoming third edition of the *Handbook of Research in Educational Communications and Technology*.
- Liu, P., Lohr, L., Ku, H.K., Gall, J.E., and Edwards, C. (revising based on peer review comments). An examination of peer feedback and self-evaluation strategies on student performance and motivation. *Instructional Science*.
- Gall, J.E., Ku, H.Y., Gurney, K., Tseng, H.W., & Yeh, H.T. (revising based on peer review comments). Exploring Patterns of Communication in *Educational Technology Research and Development, 1990-99. Educational Technology Research and Development*.
- Lohr, L., Ku, H.K., Gall, J.E., & Cooney, J. (submitted). Usability testing an instructional textbook in conjunction with an online course. Invited submission to *Journal of Computer Assisted Learning*.
- Gall, J.E. (chapter in signed book proposal – first draft completed). Knowing what the learner knows. In L. Lohr (ed.), *An introduction to instructional design: creating self-paced learning environments*.
- Bauer, J. & Gall, J. (2006). *Digital video production and editing for preservice teachers*. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2006* (pp. 3147-3149). Chesapeake, VA: AACE.
- Gall, J.E. (2006). Orienting tasks and their impact on learning and attitudes in hypertext. *Journal of Educational Multimedia and Hypermedia*, 15(1), 5-29.
- Gall, J.E. (2005). Dispelling five myths about eBooks. *Information Technology and Libraries Journal*, 24(1), 25-31.
- Lohr, L., Ku, H.Y., Gall, J.E., & Cooney, J. (2005). *Usability testing an on-line instructional design textbook and course*. Eleventh International Conference on Human-Computer Interaction Proceedings, Las Vegas, NV, July 22-27, 2005.
- Gall, J.E., Ku, H.Y., Gurney, K., Tseng, H.W., & Yeh, H.T. (2004). *An analysis of citation patterns in ETR&D*. Association for Educational Communications & Technology (AECT) 2004 Conference Proceedings, Chicago, IL, October 19-23, 2004.
- Roberts, S., Rial, A., Gall, J.E., Lohr, L., Falvo, D., & Hunt, E. (2004). *Redundancy and contiguity of visual and audio information: A pilot study on the implications of cognitive load and dual coding for multimedia*. Association for Educational Communications & Technology (AECT) 2004 Conference Proceedings, Chicago, IL, October 19-23, 2004.

- PUBLICATIONS - JURIED:** Gall, J.E. *The map is not the territory: A constructivist application of general semantics to the design of educational texts*. Association for Educational Communications & Technology (AECT) 2003 Conference Proceedings, Anaheim, CA, October 22-26, 2003.
- Roberts, S., Gall, J., and Lohr, L. *Redundancy and contiguity: A pilot study on the promises of cognitive load and dual coding for instructional materials design*. International Visual Literacy Association (IVLA) 2003 Conference Proceedings, Newport, RI, October 1-5, 2003.
- Lohr, L., Roberts, S., and Gall, J. *The promise of memory research for instructional visual design*. International Visual Literacy Association (IVLA) 2003 Conference Proceedings, Newport, RI, October 1-5, 2003.
- Lohr, L., Javeri, M., Mahoney, C., Gall, J., Li, K., and Strongin, D. (2003). Using rapid application development to improve the usability of a preservice teacher technology course. *Educational Technology Research and Development*, 51(2), 41-55.
- Liu, P., Gall, J.E., & Ku, H. *The effects of peer feedback in technology classes*. Association for Educational Communications & Technology (AECT) 2002 Conference Proceedings, Dallas, TX, November 12-16, 2002.
- Gall, J.E. (2002). Rethinking the "computer" in education. *Journal of Educational Technology Systems*, 30, 379-388.
- Gall, J.E. *Orienting tasks to enable hypertext*. Association for Advancement of Computers in Education (AACE) ED-MEDIA 2000 Conference Proceedings, Montreal, Quebec, June 26 – July 1, 2000.
- Gall, J.E. & Hannafin, M.J. (1994). A framework for the study of hypertext. *Instructional Science*, 22, 207-232.
- PRESENT - JURIED:** Bauer, J., Gall, J., Hsin-te, Y., Wu, Y.F. (2007). *Implementing a campus-wide web-based portfolio system for teacher education*. Society for Technology and Teacher Education 2007 Annual Conference, San Antonio, TX, March 26-30.
- Bauer, J. and Gall, J.E. (2006). *Digital video production and editing for preservice teachers*. Society for Technology and Teacher Education 2006 Annual Conference, Orlando, FL, March 20-24, 2006.
- Lohr, L., Ku, H.Y., Gall, J.E., & Cooney, J. (2005). *Usability testing an on-line instructional design textbook and course*. Eleventh International Conference on Human-Computer Interaction, Las Vegas, NV, July 22-27, 2005.
- Gall, J.E., Ku, H.Y., Gurney, K., Tseng, H.W., & Yeh, H.T. (2004). *An analysis of citation patterns in ETR&D*. Association for Educational Communications & Technology (AECT) 2004 Conference, Chicago, IL, October 19-23, 2004.
- Liu, P., Lohr, L., Ku, H.Y., Gall, J.E., & Chen, C. (2004). *An exploration of different learning strategies on academic achievement and attitudes in a classroom*. Association for Educational Communications & Technology (AECT) 2004 Conference, Chicago, IL, October 19-23, 2004.

PRESENT - JURIED:

Lohr, L., Ku, H.Y., Gall, J.E., & Cooney, J (2004). *Development of an instructional design textbook*. Association for Educational Communications & Technology (AECT) 2004 Conference, Chicago, IL, October 19-23, 2004.

Roberts, S., Rial, A., Gall, J.E., Lohr, L., Falvo, D., & Hunt, E. (2004). *Redundancy and contiguity of visual and audio information: A pilot study on the implications of cognitive load and dual coding for multimedia*. Association for Educational Communications & Technology (AECT) 2004 Conference, Chicago, IL, October 19-23, 2004.

Gall, J.E. *The map is not the territory: A constructivist application of general semantics to the design of educational texts*. Association for Educational Communications & Technology (AECT) 2003 Conference, Anaheim, CA, October 22-26, 2003.

Roberts, S., Gall, J., and Lohr, L. *Redundancy and contiguity: A pilot study on the promises of cognitive load and dual coding for instructional materials design*. International Visual Literacy Association (IVLA) 2003 Conference, Newport, RI, October 1-5, 2003.

Lohr, L., Roberts, S., and Gall, J. *The promise of memory research for instructional visual design*. International Visual Literacy Association (IVLA) 2003 Conference, Newport, RI, October 1-5, 2003.

Liu, P., Gall, J.E., & Ku, H. *The effects of peer feedback in technology classes*. Association for Educational Communications & Technology (AECT) 2002 Conference, Dallas, TX, November 12-16, 2002.

Gall, J.E. & Duffy, A.M. *eBooks in a college course: A case study*. Association for Educational Communications & Technology (AECT) Conference, Atlanta, GA, November 8-10, 2001.

Gall, J.E. *A non-technical introduction to open source for educators*. Association for Educational Communications & Technology (AECT) Conference, Atlanta, GA, November 8-10, 2001.

Lohr, L., Javeri, M., Mahoney, C., Strongin, D., & Gall, J. *Development of a self-paced pre-service teacher technology course*. Association for Educational Communications & Technology (AECT) Conference, Denver, CO, October 25 – 28, 2000.

Gall, J.E. *Feedback strategies for open-ended learning environments*. Association for Educational Communications & Technology (AECT) Conference, Longbeach, CA, February 16 – 20, 2000.

Gall, J.E., Goldwasser, K., Gall, T.E., & Jones, C. *Designing feedback strategies for interactive multimedia*. Andersen Consulting Education Community of Practice Summit, June 4, 1998.

Gall, J.E. *Interactive training for negotiations*. Andersen Consulting Global Consulting Seminar, Orlando, FL, June 9 – 11, 1997.

PRESENT - JURIED:

Gronseth, P.W. & Gall, J.E. *Right-hand rule fun in magnetic fields*. American Association of Physics Teachers (AAPT) Conference, Spokane, WA, August 7 – 12, 1995.

Gall, J.E. *Surfing the Internet*. Second Annual Digital Electronic Imaging Symposium, Colorado Springs, CO, July 24 – 27, 1995.

Stiles, R.J., Gall, J.E., Goodwin, S.P., & Whitford, R. *Reflections on teaching in the classroom of the future*. American Society for Engineering Education (ASEE) Conference, Edmonton, Alberta, Canada, June 26 – 29, 1994.

Gall, J.E. & Hannafin, M.J. *A framework for studying hypertext*. American Educational Research Association (AERA) Conference, New Orleans, LA, April 4 – 8, 1994.

Gall, J.E. & Green, R.S. *Development of a problem-centered microworld to promote divergent thinking*. Association for the Development of Computer-Based Instructional Systems (ADCIS) Conference, Nashville, TN, February 16 – 20, 1994.

Gall, J.E. *A Computer-based model for exploratory learning in an elementary science lesson*. Florida Educational Technology Conference, Tampa, FL, February 5 – 8, 1991.

Hannafin, K.M. & Gall, J.E. *The role of a pedagogue in a computer-aided lesson*. Association for the Development of Computer-based Instructional Systems (ADCIS) Conference, San Diego, CA, October 28 – November 1, 1990.

Hannafin, M.J. & Gall, J.E. *Emerging technologies and learning environments from instruction to learner-centered models*. Association for the Development of Computer-based Instructional Systems (ADCIS) Conference, San Diego, CA, October 28 – November 1, 1990.

Gall, J.E. *Artificial intelligence and educational software*. The Pennsylvania State University Microcomputer Information Exchange Conference and Computer Fair, University Park, PA, March 10 – 11, 1989.

Gall, J.E. *Programming dBase III to serve a specialized need*. The Pennsylvania State University Microcomputer Information Exchange Conference and Computer Fair, University Park, PA, March 10 – 11, 1989.

- PRESENT – NON-JURIED:** *Using PowerPoint to Promote Visual Literacy* (with Dr. Linda Lohr), Invited USAFA Faculty Development Workshop, October 4, 2006.
- Dancing with the Devil: Can Good People Still Use PowerPoint?* (Invited Presentation), Northern Rockies Chapter of the American Society for Training and Development, June 20, 2005.
- Dancing with the Devil: Can Good People Still Use PowerPoint?* (Invited Presentation), Front Range Chapter of the International Society for Performance and Instruction, March 22, 2005.
- Technologies to Modernize & Enhance Educational Quality* (Invited Presentation), Army War College, Carlisle, PA, April 15, 2005.
- New Format of Doctoral Comps.* IDTea (UNC), Fall 2004.
- Educational Technology Professors' Research Interests.* IDTea (UNC), Fall 2004.
- A Quick Guide to Digital Video*, PT3 Grant Faculty Development (UNC), Spring 2003.
- ETA Literature Club: Multimedia Learning*, February 20, 2003.
- Introduction to Endnotes*, Educational Technology Association Brown Bag Lunch (UNC), October 24, 2002.
- A Quick Guide to Digital Video*, PT3 Grant Faculty Development (UNC), Spring 2002.
- Ebook Project Update*, Educational Technology Association Brown Bag Lunch (UNC), October 16, 2001.
- A Quick Guide to Digital Video*, PT3 Grant Faculty Development (UNC), May 2, 2001.
- A Quick Guide to Digital Audio*, PT3 Grant Faculty Development (UNC), April 18, 2001.
- Let's Get Small: The Next Big Thing in Educational Technology*, Educational Technology Association Brown Bag Lunch (UNC), October 12, 2000.
- Taking the Fifth: A Case Study in Instructional Design*, Educational Technology Association Brown Bag Lunch Series (UNC), October 26, 1999.
- Using Netscape's E-Mail Capabilities*, UNC Department of Special Education Faculty Workshop, October 27, 1998.
- No Terminal Objective: An Instructional Designer's Journey*, Educational Technology Association Brown Bag Lunch Series, September 22, 1998.
- Object-Oriented Analysis & Design*, Andersen Consulting Education Community of Practice Day, June 4, 1997.
- Assessment Issues*, USAFA Faculty Development Workshop, March 20, 1995.
- Instructional Uses of the Internet*, USAFA Faculty Development Workshop, March 16, 1995.
- Technology & Instructional Design*, USAFA Faculty Development Workshop, March 8, 1995.
- Criterion-Referenced Testing*, USAFA Department of Engineering Mechanics Faculty Offsite, April 29, 1994.
- Assessment Issues*, USAFA Faculty Development Workshop, April 27, 1994.
- Using Educational Technology*, USAFA Faculty Development Workshop, April 20 & 21, 1994.
- Learning Environments & Technology Integration Issues*, USAFA Faculty Development Workshop, April 19, 1994.
- Learning Strategies & Contemporary Cognitive Theory*, USAFA Faculty Development Workshop, April 13, 1994.

PRESENT – NON-JURIED: *Introduction to Instructional Design*, USAFA Faculty Development Workshop, March 29, 1994.
Improving Education, It's Up to You, USAFA Department of Mathematics Faculty Offsite, September 11 & 18, 1992.

OTHER: Lohr, L.L. & Gall, J.E. (2006). *The EDUSS™ Framework for Effective Learning System Design: Requirements and Applications*. Published white paper (available at xxxx).

Gall, J.E. (2006). *Instructional Design Support for the Cultural Training of Army Special Operations Forces (ARSOF) Soldiers, \$150,000*. The final contract was awarded to a competing group.

Gall, J.E. (2006). Book review of *Ambient Findability* by Peter Morville, *Educational Technology Research and Design*, 54(???)

Gall, J.E. (2005). Book review of *Curriculum, Plans, and Processes in Instructional Design: International Perspectives* by Norbert M. Seel & Sanne Dijkstra (Editors), *Educational Technology Research and Design*, 53(3).

Gall, J.E. (2004). Book reviews of *Multimedia Learning* by Richard E. Mayer and *The Cognitive Style of PowerPoint* by Edward R. Tufte, *Educational Technology Research and Design*, 52(2).

Gall, J.E. (1995). *The effect of external orienting task on learning outcomes and attitudes in the use of an educational hypertext system*. Unpublished doctoral dissertation. The Florida State University, Tallahassee.

Gall, J.E. (1990). *Software innovation and educational effectiveness: A survey of five educational software systems that utilize artificial intelligence techniques*. Unpublished masters' thesis. The Pennsylvania State University, State College.

DOCTORAL COMMITTEES: Lyles, Mary. Proposal Defended, 2006. (External Committee Member).

Taiwei, Ouna. Learning online: The effects of interaction levels on student self-efficacy, task value, learning strategies, and achievement.. Published Doctor of Philosophy dissertation, University of Northern Colorado, 2006. (Doctoral Chair and Advisor).

Tsai, Howard. The Effects of Various Feedback Modes during Video Practice to Enhance Decision-making of Beginning Ice Hockey Referees. Published Doctor of Philosophy dissertation, University of Northern Colorado, 2006. (Doctoral Chair and Advisor).

Cheng, Yi-Chia. The Effectiveness of Reciprocal Peer Tutoring on Student Achievement, Motivation, and Attitudes. Published Doctor of Philosophy dissertation, University of Northern Colorado, 2006. (Department Committee Member).

Harter, Christi. Awaiting Published Title. Published Doctor of Philosophy dissertation, University of Northern Colorado, 2006. (Department Committee Member).

Al Hamad, Khalid. General Education and Special Education Teachers' Attitudes toward Inclusive Education of Students with Emotional and/or Behavioral Disabilities (EBD). Published Doctor of Philosophy dissertation, University of Northern Colorado, 2006. (Department Committee Member). (External Committee Member).

Liu, Janice. Parental Behaviour of Mathematically Competent Preschool Children in Taiwan. Published Doctor of Philosophy dissertation, University of Northern Colorado, 2005. (External Committee Member).

Al-Mozirae, Abdullah Fahad. Factors Affecting Young Adolescents' Proportional Reasoning In Saudi Arabia : A Neo-Piagetian. Published Doctor of Philosophy dissertation, University of Northern Colorado, 2005. (External Committee Member).

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PROJECTS:

Effective Communications Training (1998)

Design Manager

This courseware was developed jointly by Andersen Consulting and communication consultants Speakeasy. Based upon Sandy Linver's *Speak and Get Results*, this course instructs the learners in a methodology for more effective communication. As the learners work through various exercises, they receive feedback from a coaching character and simulated fellow students.

Generate Demand: Introduction to Customer Strategy (1998)

Instructional Design Lead

This courseware was developed for Andersen Consulting's process competency staff. In the simulation, the learners develop a segmented customer strategy to generate demand for a fictional telecommunications company's product line. Through the development of this strategy, learners are exposed to the key principles of generate demand.

Yes! Negotiations Training (1997)

Instructional Design and Technical Support

This courseware was developed jointly by Andersen Consulting and Northwestern University's Institute for Learning Sciences. Based upon Roger Fisher's *Getting to Yes*, this simulation focuses on developing negotiation skills. The first part of the courseware illustrates the preparation necessary for successful negotiation. Through the use of parser techniques, the second part of the courseware allows learners to negotiate with a simulated character.

Introduction to the Fifth Discipline: Multimedia (1996)

Instructional Design Module Lead

This courseware was developed jointly by Arthur Andersen and Peter Senge's The Learning Circle. Set in the context of a hospital's emergency room, learners are asked to solve problems regarding that department's operations. Within this environment, learners are introduced to the concepts of mental models and systems thinking. An extensive reference system provides conceptual information and a collection of relevant business examples.

Garden of the Gods Information Kiosk (1995)

Instructional Design and Technical Lead

This kiosk was developed for use in the Garden of the Gods Visitor's Center located in Colorado Springs. The kiosk contains over 600 megabytes of information on the ecology, geology, history, and current use of the park. The database contains text, graphics, digital video, and audio narration. All the information in the database is available in both English and Spanish.

Interplanetary Transfer Simulation & Presentation Tool (1995)

Technical Lead

This courseware was developed for use in the USAFA Department of Astronautics course, Introduction to Astronautics. The first component allows learners to calculate an interplanetary transfer between two planets in the solar system, a change in orbit above a planet, or a transfer between two hypothetical planets. The courseware presents a graphic representation of the transfer to the learner and displays intermediate steps in calculating transfer values. The second component allows educators to display a slide show or relevant transfer graphics or digital video representations of a completed transfer.

PROJECTS (cont.):

Space Shuttle Particle Beam Experiment (1994)

Project Manager, Instructional Design and Technical Lead

This courseware was developed for use in the USAFA Department of Physics course, General Physics. Within the context of a space shuttle mission, learners are asked to predict the effect of the Earth's magnetic field on a charged particle beam being tested in the shuttles bay. This scenario allows learners to practice applying the right-hand rule in determining the deflection of a charged particle. A gaming element encourages further practice as learners attempt to improve their scores.

Space Mission Analysis & Design (1993)

Instructional Design and Technical Lead

This courseware was developed for use in the USAFA Department of Astronautics course, Space Mission Design. The courseware provides worksheets corresponding to ten critical subsystems within a space mission. Learners are able to generate values for the variables within each worksheet or examine previous real-world examples. The worksheets also allow learners to examine the relationships between the different variables. Hypertext links provide additional information on each variable and subsystem for the learners.

Aeronautics Propulsion Laboratory (1992)

Project Manager, Instructional Design and Technical Lead

This courseware was developed for use in the USAFA Department of Aeronautics course, Energy Systems. The courseware allows learners to generate basic designs for jet-propulsion and Brayton cycle engines. Learners can also use the functions of the courseware to analyze relationships between critical variables within the engines. On-line, open-ended problems were developed in conjunction with the simulation. These problems, such as designing a gas turbine engine for a race car or analyzing the performance of an enemy aircraft engine, provide real-world contexts in which students use the courseware for problem-solving.