

VITA

James D. Klein

Florida State University
Educational Psychology and Learning Systems
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Academic Preparation

Doctor of Philosophy	Instructional Systems, Florida State University	1988
Master of Science	Instructional Systems, Florida State University	1985
Bachelor of Arts	Elementary Education, Florida Atlantic University	1979

Professional Experience

Florida State University

Walter Dick Distinguished Professor of Instructional Systems Design August 2011 - current

Arizona State University – Tempe

Academic Positions

Professor Emeritus	Retired on June 26, 2011
Professor, Educational Technology	August 1997 – June 2011
Associate Professor, Learning & Instructional Technology	August 1992 – July 1997
Assistant Professor, Learning & Instructional Technology	August 1988 – July 1992

Administrative Positions

Director, Division of Psychology in Education	January 2008 – June 2009
Academic Program Leader	8/10-5/11; 10/04-12/07; 1/96-6/01

University of Twente, The Netherlands

Visiting Professor, Educational Science & Technology April – May 2002

Deakin University, Melbourne, Australia

Visiting Scholar, Instructional Design & Technology January – July 1995

Sealey Elementary School, Tallahassee, FL

Fourth Grade Teacher August 1983 – June 1984

Melaleuca Elementary School, West Palm Beach, FL

Fourth and Fifth Grade Teacher August 1979 – June 1983

Research & Publication (*indicates student as a coauthor)

Books

- Richey, R. C., Klein, J. D., & Tracey, M. W. (2011). *The instructional design knowledge base: Theory, research and practice*. New York: Routledge. [Korean translation currently in progress by Hakjisa Publisher]
- Richey, R. C., & Klein, J. D. (2007). *Design and development research: Methods, strategies and issues*. Mahwah, NJ: Lawrence Erlbaum. [Korean translation currently in progress by Hakjisa Publisher]
- Klein, J. D., Spector, J. M., Grabowski, B., & de la Teja, I. (2004). *Instructor competencies: Standards for face-to-face, online, and blended settings*. Greenwich, CT: Information Age Publishing. [Chinese translation in 2006 by ECNU Press]

Journal Articles:

- *Vadivelu, R., & Klein, J. D. (2011). The influence of national and organizational culture on the use of performance improvement interventions. *Performance Improvement Quarterly* 24(1), 97-115.
- Klein, J. D. (2010). Research on performance improvement. *Performance Improvement*, 49(2), 5-7.
- *Su, Y., & Klein, J. D. (2010). Using scaffolds in problem-based hypermedia. *Journal of Educational Multimedia and Hypermedia*, 19(3), 327-347.
- *Nguyen, F., & Klein, J. D. (2008). The effect of performance support and training as performance interventions. *Performance Improvement Quarterly*, 21(1), 95-114.
- *Martin, F., & Klein, J. D. (2008). Effects of objectives, practice and review in multimedia instruction. *Journal of Educational Multimedia and Hypermedia*, 17(2), 178-189.
- *Tutty, J. I., & Klein, J. D. (2008). Computer-mediated instruction: A comparison of online and face-to-face collaboration. *Educational Technology, Research & Development*, 56(2), 101-124.
- *Vadivelu, R., & Klein, J. D. (2008). A cross-cultural analysis of HPT. *Performance Improvement Quarterly*, 20(3/4), 147-165.
- *Martin, F., Klein, J. D., Sullivan, H. (2007). The impact of instructional elements in computer-based instruction. *British Journal of Educational Technology*, 38(4), 623-636.
- *Simons, K. D., & Klein, J. D. (2007). The impact of scaffolding and student achievement levels in a problem-based learning environment. *Instructional Science*, 35(1), 41-72.
- *Brewer, S., & Klein, J. D. (2006). Type of positive interdependence and affiliation motive in an asynchronous collaborative learning environment. *Educational Technology, Research & Development*, 54(3), 331-354.
- *Su, Y., & Klein, J. D. (2006). Effects of navigation tools and computer confidence on performance and attitudes in a hypermedia learning environment. *Journal of Educational Multimedia and Hypermedia*, 15(1), 87-106.
- *Brinkerhoff, J. D., Klein, J. D., Brush, T., & Saye, J. (2005). The effects of advisement and small groups on learning from a multimedia database. *International Journal of Instructional Media*, 32(4), 1-12.
- *Klein, J. D., Martin, F., Tutty, J., & Su, Y. (2005). Teaching research to instructional design & technology students. *Educational Technology*, 45(4), 29-33.

- Klein, J. D., & Richey, R. C. (2005). Improving individual and organizational performance: The case for international standards. *Performance Improvement*, 44(10), 9-14.
- *Nguyen, F., Klein, J. D., & Sullivan, H. (2005). A comparative study of electronic performance support systems. *Performance Improvement Quarterly*, 18(4), 71-86.
- Richey, R. C., & Klein, J. D. (2005). Developmental research methods: Creating knowledge from instructional design and development practice. *Journal of Computing in Higher Education*, 16(2), 23-38.
- *Klein, J. D., & Fox, E. J. (2004). Performance improvement competencies for instructional technologist. *TechTrends*, 48(2), 22-25.
- *Koroghlanian, C., & Klein, J. D. (2004). The effect of audio and animation in multimedia instruction. *Journal of Educational Multimedia and Hypermedia*, 13(1), 23-46.
- *Simons, K. D., Klein, J. D., & Brush, T. R. (2004). Instructional strategies utilized during the implementation of a hypermedia, problem-based learning environment: A case study. *Journal of Interactive Learning Research*, 15(3), 213-233.
- *Brewer, S. A., Klein, J. D., & Mann, K. E. (2003). Using small group learning strategies with adult re-entry students. *College Student Journal*, 37, 286-297
- *Fox, E. J., & Klein, J. D. (2003). What should instructional designers and technologist know about human performance technology? *Performance Improvement Quarterly*, 16(3), 87-98.
- *Uribe, D., & Klein, J. D. (2003). The effect of case based vs. systematic problem solving in a computer-mediated collaborative learning environment. *Quarterly Journal of Research on Distance Education*, 4(4), 417-435.
- *Uribe, D., Klein, J. D., & Sullivan, H. (2003). The effect of computer-mediated collaborative learning on solving ill-defined problems. *Educational Technology, Research & Development*, 51(1) 5-19.
- Klein, J. D. (2002). Empirical research on performance improvement. *Performance Improvement Quarterly*, 15(1), 99-110.
- *Brinkerhoff, J., Klein, J. D., & Koroghlanian, C. (2001). Effects of overviews and computer experience in learning from hypertext. *Journal of Educational Computing Research*, 25(4), 1-14.
- *Flynn A. E., & Klein, J. D. (2001). The influence of discussion groups in a case-based learning environment. *Educational Technology, Research & Development*, 49(3), 69-84.
- *Klein, J. D., & Schnackenberg, H. L. (2000). Effects of informal cooperative learning and the affiliation motive on achievement, attitude, and student interactions. *Contemporary Educational Psychology*, 25, 332-341.
- *Klein, J. D., Brinkerhoff, J., Koroghlanian, C., Brewer, S., Ku, H., & MacPherson-Coy, A. (2000). The foundations of Educational Technology: A needs assessment. *TechTrends*, 44(6), 32-36.
- *Klein, J. D., & Doran, M. S. (1999). Implementing individual and small group learning structures with a computer simulation. *Educational Technology, Research & Development*, 47(1), 97- 109.
- *Cavalier, J. C., & Klein, J. D. (1998). Effects of cooperative versus individual learning and orienting activities during computer-based instruction. *Educational Technology, Research & Development*, 46(1), 5-17.
- *Crooks, S. M., Klein, J. D., Savenye, W., & Leader, L. (1998). Effects of cooperative and individual learning during learner controlled CBI. *Journal of Experimental Education*, 66(3), 223-244.

- Klein, J. D. (1997). ETR&D - Development: An analysis of content and survey of future direction. *Educational Technology, Research & Development*, 45(3), 57-62.
- *Crooks, S. M., Klein, J. D., Jones, E. K., & Dwyer, H. (1996). Effects of cooperative learning and learner control modes in computer-assisted instruction. *Journal of Research on Computing in Education*, 29(2), 109-123.
- *Leader, L., Klein, J. D. (1996). The effects of search tool and cognitive style on performance in hypermedia database searches. *Educational Technology, Research & Development*, 44(2), 5-15.
- *Cavalier, J. C., Klein, J. D., & Cavalier, F. (1995). Effects of cooperative learning on performance, attitude, and group behaviors in a technical team environment. *Educational Technology, Research & Development*, 43(3), 61-71.
- *Pridemore, D. R., & Klein, J. D. (1995). Control of practice and level of feedback in computer-based instruction. *Contemporary Educational Psychology*, 20, 444-450.
- *Sherman, G. P., Klein, J. D. (1995). The effects of cued interaction and ability grouping during cooperative computer-based science instruction. *Educational Technology, Research & Development*, 43(4), 5-24.
- *Klein, J. D., & Pridemore, D. R. (1994). Effects of orienting activities and practice on achievement, continuing motivation, and student behaviors in a cooperative learning environment. *Educational Technology, Research & Development*, 42(4), 41-54.
- *Klein, J. D., Erchul, J. A., & Pridemore, D. R. (1994). Effects of individual versus cooperative learning and type of reward on performance and continuing motivation. *Contemporary Educational Psychology*, 19, 24-32.
- *Driscoll, M. P., Klein, J. D., & Sherman, G. P. (1994). Perspectives on instructional planning: How do teachers and instructional designers conceive of their ISD practices? *Educational Technology*, 34(3), 34-42.
- *Klein, J. D., Knupfer, N. N., & Crooks, S. M. (1993). Differences in computer attitudes and performance among re-entry and traditional college students. *Journal of Research on Computing in Education*, 25, 498-505.
- *Kulhavy, R. W., Stock, W. A., Werner-Bellman, L., Klein, J. D. (1993). Properties of maps that improve recall of associated text. *Cartography and Geographic Information Systems*, 20(3), 151-156.
- Ley, K., & Klein, J. D. (1993). The effect of computer-interactive video vs. print role models and learner sex on instructional motivation. *Performance Improvement Quarterly*, 6(2), 58-67.
- *Mattoon, J. S., & Klein, J. D. (1993). Controlling challenge in instructional simulation. *Journal of Educational Computing Research*, 9, 219-235.
- *Sullivan, H. J., Igoe, A. R., Klein, J. D., Jones, E. E., Savenye, W. C. (1993). Perspectives on the future of Educational Technology. *Educational Technology, Research and Development*, 41(2), 97-110.
- Klein, J. D. (1992). Effect of instructional gaming and re-entry status on performance and motivation. *Contemporary Educational Psychology*, 17, 364-370.
- *Klein, J. D., & Freitag, E. T. (1992). Training students to utilize self-motivational strategies. *Educational Technology*, 32(3), 44-48.
- Klein, J. D., & Higgins, N. (1992). Incentive contingencies, motivation, and performance in a visual learning task. *Journal of Instructional Psychology*, 19, 113-117.
- *Klein, J. D., & Pridemore, D. R. (1992). Effects of cooperative learning and need for affiliation on performance, time on task, and satisfaction. *Educational Technology, Research and Development*, 40(4), 39-47.

- *Hicken, S., Sullivan, H. J., & Klein, J. D. (1992). Learner control modes and incentive variations in computer-assisted instruction. *Educational Technology, Research and Development*, 40(4), 15-26.
- *Kulhavy, R. W., Stock, W., Peterson, S., Pridemore, D., & Klein, J. D. (1992). Using maps to retrieve text: A test of conjoint retention. *Contemporary Educational Psychology*, 17, 56-70.
- Klein, J. D. (1991). Preservice teacher use of learning and instructional design principles. *Educational Technology, Research and Development*, 39(3) 83-89.
- *Klein, J. D., & Freitag, E. T. (1991). Effects of using an instructional game on motivation and performance. *Journal of Educational Research*, 84, 303-308.
- *Klein, J. D., & Freitag, E. T. (1991). Enhancing motivation using an instructional game. *Journal of Instructional Psychology*, 18, 111-117.
- *Pridemore, D. A., & Klein, J. D. (1991). Control of feedback in computer-assisted instruction. *Educational Technology, Research and Development*, 39(4), 27-32.
- Klein, J. D. (1990). An analysis of the motivational characteristics of college re-entry students. *College Student Journal*, 24, 281-286.
- Klein, J. D., & Keller, J. M. (1990). Influence of student ability, locus of control, and type of instructional control on performance and confidence. *Journal of Educational Research*, 83, 140-146.
- Klein, J. D. (1989). Enhancing instructional design and technology academic programs: A summary of the fifth meeting of the Professors of Instructional Design and Technology. *Educational Technology, Research & Development*, 37(3), 103-106.
- Klein, J. D., & Grise, P. J. (1988). Examining the success of GED diploma holders in Florida's community colleges. *Community/Junior College Quarterly of Research and Practice*, 12, 305-309.
- Salisbury, D. F., & Klein, J. D. (1988). A comparison of a microcomputer progressive state drill and flashcards for learning paired associates. *Journal of Computer-Based Instruction*, 15, 136-143.
- Klein, J. D., Voss, D. R., Reiser, R. A., & Gardner, G. N. (1987). The effects of age of viewer and gender of the narrator on children's visual attention and recall of story ideas. *Educational Communication and Technology Journal*, 35, 231-238.
- Salisbury, D. F., Richards, B. F., & Klein, J. D. (1985). Designing practice: A review of prescriptions and recommendations from instructional design theory. *Journal of Instructional Development*, 8(4), 9-19.

Book Chapters

- *Klein, J. D., & Rushby, N., Su, Y. (2012). Professional organizations and publications in instructional design and technology. In R. A. Reiser & J. V. Dempsey (Eds.), *Trends and Issues in Instructional Design and Technology* (3rd Edition). Boston, MA: Pearson, 273-280.
- *Klein, J. D., & Nguyen, F. (2011). Comparing the impact of electronic performance support and web-based training. In D. Ifenthaler, Kinshuk, P. I. Demetrios, G. Sampson, J. M. Spector (Eds.), *Multiple Perspectives on Problem-Solving and Learning in the Digital Age*. New York: Springer, 229-242.
- Klein, J. D. (2010). Trends in performance improvement: Expanding the reach of instructional design and technology. In M. Orey, S. A. Jones, & R. M. Branch (Eds.), *Educational Media and Technology Yearbook*, (Vol. 35), New York: Springer, 135-145.
- Klein, J. D., Grabowski, B., Spector, J. M., & de la Teja, I. (2008). Instructor competencies: A validation study. In M. Orey, V. J. McClendon, & R. M. Branch (Eds.), *Educational Media and Technology Yearbook*, (Vol. 33), Westport, CT: Libraries Unlimited, 53-61.
- Richey, R. C., & Klein, J. D. (2008). Research on design and development. In J. M. Spector, M. D. Merrill, J. van Merriënboer, M. P. Driscoll (Eds.), *Handbook of Research for Educational Communications and Technology* (3rd Edition). Mahwah, NJ: Lawrence Erlbaum, 748-757.
- Klein, J. D., & Rushby, N. (2007). Professional organizations and publications in instructional design and technology. In R. A. Reiser & J. V. Dempsey (Eds.), *Trends and Issues in Instructional Design and Technology* (2nd Edition). Upper Saddle River, NJ: Pearson/Prentice Hall, 260-270.
- Richey, R. C., Klein, J. D., & Nelson, W. (2003). Developmental research: Studies of instructional design and development. In D. Jonassen (Ed.), *Handbook of Research for Educational Communications and Technology* (2nd Edition). Mahwah, NJ: Lawrence Erlbaum, 1099-1130.
- Klein, J. D. (2002). Professional organizations and publications in instructional design and technology. In R. A. Reiser & J. V. Dempsey (Eds.), *Trends and Issues in Instructional Design and Technology*. Saddle River, NJ: Merrill/Prentice Hall, 367- 374.
- *Klein, J. D., Brinkerhoff, J., Koroghlanian, C. (2002). The foundations of Educational Technology. In M. A. Fitzgerald, M. Orey, & R. M. Branch (Eds.), *Educational Media and Technology Yearbook*, (Vol. 27), Englewood, CO: Libraries Unlimited, 19-26.
- *Flynn, A., & Klein, J. D. (1998). Case study of Antonio Mendez. In P. A. Ertmer & J. Quinn (Eds.), *The ID Casebook: Case Studies in Instructional Design*. Englewood Cliffs, NJ: Merrill/Prentice Hall, 12-14.
- *Sullivan, H. J., Igoe, A. R., Klein, J. D., Jones, E. E., Savenye, W. C. (1993). Educational Technology 2010: A look ahead. In D. P. Ely & B. B. Minor (Eds.), *Educational Media and Technology Yearbook*, (Vol. 19), Englewood, CO: Libraries Unlimited, 2-21.

Convention Proceedings, Refereed

- *Klein, J. D., & Nguyen, F. (2009). Comparing the impact of electronic performance support and training. *Proceedings of the IADIS Conference on Cognition and Exploratory Learning in the Digital Age*, pp. 267-272. International Association for Development of the Information Society (ISBN: 978-972-8924-95-9).
- *Alarcon, C. M., Tutty, J. I., & Klein, J. D. (2008). Effects of instructional setting and interaction cues collaborative, computer-based instruction. *The 31st Annual Proceedings of Selected Research and Development Papers*, pp. 1-11. Association for Educational Communications and Technology.
- *Tutty, J. I., & Klein, J. D. (2006). Effects of collaboration mode and group composition in computer-mediated instruction. *The 29th Annual Proceedings of Selected Research and Development Papers*, pp. 355-366. Association for Educational Communications and Technology.
- *Tutty, J., Klein, J. D., & Sullivan, H. (2005). Effects of computer integration training and computer literacy training on preservice teachers' confidence and proficiency related to technology use. *The 28th Annual Proceedings of Selected Research and Development Papers*, pp. 443-451. Association for Educational Communications and Technology.
- *Brewer, S., & Klein, J. D. (2004). Small group learning in an online asynchronous environment. *The 27th Annual Proceedings of Selected Research and Development Papers*, pp. 140-149. Association for Educational Communications and Technology.
- *Hancock-Niemic, M., Llama, G., Mansfield, J., Martin, F., & Klein, J. (2004). Using human performance technology to identify potential barriers to online high school course development. *The 27th Annual Proceedings of Selected Research and Development Papers*, pp. 328-333. Association for Educational Communications and Technology.
- *Klein, J. D., Martin, F., Su, Y., & Tutty, J. (2004). How do we teach research to instructional design & technology students? *The 27th Annual Proceedings of Selected Research and Development Papers*, pp. 482-486. Association for Educational Communications and Technology.
- *Martin, F., Klein, J. D., & Sullivan, H. (2004). Effects of instructional events in computer-based instruction. *The 27th Annual Proceedings of Selected Research and Development Papers*, pp. 630-638. Association for Educational Communications and Technology.
- Spector, J. M., Grabowski, B., Sorensen, B., Klein, J., de la Teja, I., Sims, R. (2003). The impact of information technology on instructor and learner competencies. *Proceedings of the World Conference on Educational Multimedia, Hypermedia, and Telecommunications*, pp. 2029-2032. Association for the Advancement of Computing in Education. [Available online at <http://dl.aace.org/13170>]
- *Uribe, D., & Klein, J. D. (2003). The effect of case-based and systematic problem solving in a computer-mediated collaborative environment. *The 26th Annual Proceedings of Selected Research and Development Papers*, pp. 476-490. Association for Educational Communications and Technology.
- *Zhang, Q., Reisslein, J., Klein, J., & Reisslein, M. (2003). A needs assessment for a graduate level course in optical networking. *Proceedings of the bi-annual Education and Training in Optics & Photonics (ETOP) Conference*. Optical Society of America.
- *Fox, E. J., & Klein, J. D. (2002). What should instructional technologists know about human performance technology? *The 25th Annual Proceedings of Selected Research and Development Papers*, pp. 233-240. Association for Educational Communications and Technology.

- Spector, J. M., Klein, J., de la Teja, I., Sims, R., Grabowski, B. (2002). Competencies for classroom and online teaching: Development and Validation. *Proceedings of the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*, pp. 2747-2748. Association for the Advancement of Computing in Education. [Available online at <http://dl.ace.org/9992>]
- *Brinkerhoff, J., Klein, J. D., & Koroghlanian, C. (2000). Effects of headings computer experience in computer-based instruction. *The 22nd Annual Proceedings of Selected Research and Development Papers*, pp. 23-34. Association for Educational Communications and Technology.
- *Klein, J. D., Brinkerhoff, J., Koroghlanian, C., Ku, H., & MacPherson-Coy, A. (2000). Teaching the introductory course in Educational Technology: A needs assessment. *The 22nd Annual Proceedings of Selected Research and Development Papers*, pp. 149-156. Association for Educational Communications and Technology.
- *Koroghlanian, C., & Klein, J. D. (2000). The use of audio and animation in computer-based instruction. *The 23rd Annual Proceedings of Selected Research and Development Papers*, pp. 141-148. Association for Educational Communications and Technology.
- *Klein, J. D., & Cavalier, J. C. (1999). Using cooperative learning and objectives with computer-based instruction. *The 21st Annual Proceedings of Selected Research and Development Papers*, pp. 63-71. Association for Educational Communications and Technology.
- *Werner, J. L., & Klein, J. D. (1999). Effects of learning structure and summarization during computer-based instruction. *The 21st Annual Proceedings of Selected Research and Development Papers*, pp. 53-62. Association for Educational Communications and Technology.
- *Klein, J. D., Schnackenberg, H. L., & Smith, K. L. (1997). Effects of cooperative learning and affiliation during an ITV lesson. *The 19th Annual Proceedings of Selected Research and Development Papers*, pp. 107-114. Association for Educational Communications and Technology.
- *Doran, M. S., & Klein, J. D. (1996). The effects of learning structures on student achievement and attitude using a computer simulation. *The 18th Annual Proceedings of Selected Research and Development Papers*, pp. 170-182. Association for Educational Communications and Technology.
- *Jones, E. E., Sullivan, H. J., & Klein, J. D. (1996). Effect of matching preferences for instructional method on achievement and attitude. *The 18th Annual Proceedings of Selected Research and Development Papers*, pp. 293-300. Association for Educational Communications and Technology.
- Klein, J. D. (1994). Effects of instructional elements in a cooperative learning setting. *The 16th Annual Proceedings of Selected Research and Development Papers*, pp. 317-322. Association for Educational Communications and Technology.
- *Leader, L., & Klein, J. D. (1994). The effects of search tools and cognitive style on performance in hypermedia database searches. *The 16th Annual Proceedings of Selected Research and Development Papers*, pp. 367-379. Association for Educational Communications and Technology.
- *Klein, J. D., Erchul, J. A., & Pridemore, D. R. (1993). Effect of cooperative learning and incentive on motivation and performance. *The 15th Annual Proceedings of Selected Research and Development Papers*, pp. 543-564. Association for Educational Communications and Technology.
- *Doran, M. S., Sullivan, H. J., & Klein, J. D. (1993). Student performance and attitude using peer collaboration in accounting. *The 15th Annual Proceedings of Selected Research and Development Papers*, pp. 335-350. Association for Educational Communications and Technology.

- *Pridemore, D. R., & Klein, J. D. (1993). Learner control of feedback in a computer lesson. *The 15th Annual Proceedings of Selected Research and Development Papers*, pp. 802-808. Association for Educational Communications and Technology.
- *Pridemore, D. R., & Klein, J. D. (1992). Effects of learner control over feedback in computer-assisted instruction. *The 14th Annual Proceedings of Selected Research Papers*, pp. 603-611. Association for Educational Communications and Technology.
- *Mattoon, J. S., Klein, J. D., & Thurman, R. A. (1991). Learner control versus computer control in instructional simulation. *The 13th Annual Proceedings of Selected Research Papers*, pp. 461-480. Association for Educational Communications and Technology.
- *Klein, J. D., Freitag, E., & Wolf, B. (1990). Providing practice using instructional gaming: A motivating alternative. *The 1990 Proceedings of Selected Research Papers*, pp. 329-346. Association for Educational Communications and Technology.
- Klein, J. D., & Salisbury, D. F. (1987). A comparison of a microcomputer progressive state drill and flashcards for learning paired associates. *The 1987 Proceedings of Selected Research Papers*, pp. 401-418. Association for Educational Communications and Technology.

Book Reviews

- Klein, J. D. (1999). [Review of *First things fast: A handbook of performance analysis* by A. Rossett]. *Educational Technology, Research & Development*, 47(3), 99-100.
- Klein, J. D. (1992). [Review of *A handbook of job aids* by A. Rossett & J. Gautier-Downes]. *Educational Technology, Research & Development*, 40(1), 107-108.
- Klein, J. D. (1990). [Review of *Planning Effective Instruction* by W. Dick & R. A. Reiser]. *Educational Technology, Research & Development*, 38(1), 87-89.

Conference Papers & Presentations

- Klein, J. D., Driscoll, M. P., Hannafin, M. J., & Richey, R. C. (2011, November). Research on instructional design and technology: What are the important topics, problems and questions? Symposium presented at the annual meeting of the Association for Educational Communications and Technology, Jacksonville, FL.
- Slack, K., & Klein, J. D. (2011, November). Design and development of a tool for using Merrill's first principles of instruction. Roundtable presented at the annual meeting of the Association for Educational Communications and Technology, Jacksonville, FL.
- Klein, J. D., & Richey, R. C. (2010, October). *The instructional design knowledge base: Theory, research and practice*. Presentation at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Vadivelu, R., & Klein, J. D. (2010, October). *Cross-cultural analysis of HPT interventions*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Wilson, R., Klein, J. D., Hagler, D., & Baumhover, N. (2010, October). *Simulation or computer-based cases: Which is more effective for teaching diagnostic reasoning?* Featured research paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- Klein, J. D. (2010, May). *The instructional design knowledge base: From theory to practice*. Keynote address presented to the Instructional Technology Special Interest Group at the annual meeting of the American Educational Research Association, Denver, CO.
- Brush, T., & Klein, J. D. (2010, May). *Beyond tenure: Succeeding with promotion to full professor*. Invited panel discussion presented at the annual meeting of the American Educational Research Association, Denver, CO.
- *Klein, J. D., & Nguyen, F. (2009, November). *Comparing the impact of electronic performance support and training*. Paper presented at the International Association for Development of the Information Society Conference on Cognition and Exploratory Learning in the Digital Age, Rome, Italy.
- *Chilakamarri, S., Su, Y., & Klein, J. D. (2009, October). *The impact of scaffolds and self-directedness in computer-mediated problem-based learning*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Louisville, KY.
- Reiser, R. A., Anglin, G. J., Clinton, G., Klein, J. D., & Wilson, B. (2009, October). *Trends and issues in instructional design and technology: What shall be taught and how shall we teach it?* Symposium presented at the annual meeting of the Association for Educational Communications and Technology, Louisville, KY.
- Klein, J. D. (2009, September). *Evidence-based instructional strategies*. Video tele-training presented to the U.S. Army Training and Doctrine Command. Ft. Monroe, VA.
- Duffy, T., Klein, J., Rauchfuss, G., Riccio, G., & Sundberg, C. (2009, May). *Instructional models and methods*. Panel discussion presented at the conference of the U.S. Army Training and Doctrine Command. Newport News, VA.
- *Su, Y., & Klein, J. D. (2009, April). *The impact of content scaffolds and metacognitive scaffolds in a problem-based learning environment*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- *Alarcon, C., Tutty, J., & Klein, J. D. (2008, November). *Effects of instructional setting and interaction cues in collaborative computer based instruction*. Featured research paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Su, Y., & Klein, J. D. (2008, November). *The impact of scaffolding type and prior knowledge in a problem-based*

learning environment. Featured research paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.

- Tracey, M., Jonassen, D. H., Klein, J. D., Merrill, M. D., Richey, R. C., Rossett, A. (2008, November). *Future directions of instructional design theory and practice: Reflections from leaders in the field*. Panel discussion presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- Klein, J. D., & Schaffer, S. (2008, March). *Human performance technology: Discussions with leaders in the field*. In J. Richardson (Chair), *Research leaders roundtables*. Presented at the annual meeting of the American Educational Research Association, New York, NY.
- Benson, A., Klein, J. D., Davidson-Shivers, G., & Schuch, D. (2007, October). *The role of training and performance in AECT and the broader academic community*. Panel discussion presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- Klein, J. D., Richey, R. C., Hannafin, M., Reigeluth, C. M., McKenney, S. (2007, October). *Conducting research in instructional design and technology*. Symposium conducted at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Tutty, J., & Klein, J. D. (2007, October). *Computer-mediated instruction: A comparison of online and face-to-face collaboration*. Featured research paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Alarcon, C., & Klein, J. D. (2006, October). *Effects of personalizing the context of stories in computer-based instruction on the achievement and attitudes of academically at risk students*. Roundtable presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- Anglin, G., Klein, J. D., & Reigeluth, C. M. (October, 2006). *What counts as theory in instructional technology?* Panel discussion presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- Richey, R.C., & Klein, J. D. (2006, October). *Design and development research: Methods and strategies*. Symposium conducted at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- *Tutty, J., & Klein, J. D. (2006, October). *Effects of collaboration mode and group composition in computer-mediated instruction*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- *Vadivelu, R., & Klein, J. D. (2006, October). *An international cross cultural analysis of trends in corporate training and performance improvement*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- *Nguyen, F., & Klein, J. D. (2006, April). *Oops, I forgot how to do that: Research on electronic performance support systems*. Paper presented at the annual meeting of the International Society for Performance Improvement, Dallas, TX.
- *Alarcon, C., & Klein, J. D. (2006, January). *Personalizing stories in computer-based instruction for at-risk students*. Poster presented at the Hawaii International Conference on Education, Honolulu, HI.
- Klein, J. D., & Richey, R. C. (2005, October). *An overview of instructional design and development research*. In K. L. Ley (Chair), *Developmental Research: Facilitators and Barriers*. Symposium conducted at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Martin, F., & Klein, J. D. (2005, October). *Effects of objectives, practice with feedback and review in computer-based instruction*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.

- *Tutty, J., Klein, J. D., & Sullivan, H. (2005, October). *Effects of computer integration training and computer literacy training on preservice teachers' confidence and proficiency related to technology use*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- Van Eck, R., Adcock, A., Anglin, G., Klein, J., Morrison, G., & Reiser, R. (2005, October). *From graduate student to researcher: What do we want doctoral students to know about research and how do we teach it?* Panel discussion presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Brewer, S., & Klein, J. D. (2004, October). *Small group learning in an online asynchronous environment*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Chicago, IL.
- *Hancock-Niemic, M., Llana, G., Mansfield, J., Martin, F., & Klein, J. (2004, October). *Using human performance technology to identify potential barriers to online high school course development*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Chicago, IL.
- *Klein, J. D., Martin, F., Su, Y., & Tutty, J. (2004, October). *How do we teach research to instructional design & technology students?* Paper presented at the annual meeting of the Association for Educational Communications and Technology, Chicago, IL.
- *Martin, F., Klein, J. D., & Sullivan, H. (2004, October). *Effects of instructional events in computer-based instruction*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Chicago, IL.
- *Su, Y., Klein, J. D., & Savenye, W. (2004, October). *Effects of navigation tools on performance and attitude in a hypermedia college learning environment*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Chicago, IL.
- *Glazewski, K., & Klein, J. D. (2004, April). *Design, use, and impact of scaffolding in problem-based learning environments*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- *Glazewski, K., & Klein, J. D. (2004, April). *The effect of scaffolding and student ability in a hypermedia, problem-based learning unit*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- *Chen, H., Savenye, W., Klein, J. D. (2003, October). *Development of an instructional module on research in distance education*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Glazewski, K., & Klein, J. D. (2003, October). *The effect of scaffolding on middle school student achievement and attitudes in a hypermedia, problem-based environment*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- Grabowski, B., Klein, J. D., & Sims, R. (2003, November). *Online, blended, and face-to-face instructor competencies: Are they the same?* Paper presented at the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Phoenix, AZ.
- *Klein, J. D., Nguyen, F., Beville, L., Winter, C., Reisslein, J., Fox, E. (2003, October). *Teaching performance improvement: Can we help clients identify and solve their problems?* Paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.

- *Martin, F., Klein J. D., & Igoe, A. (2003, November). *Teaching media design in an online setting: A needs assessment*. Paper presented at the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Phoenix, AZ.
- Richey, R., Klein, J. D., Reiser, R. A., Sullivan, H., & Tracey, M. (2003, October). *Research on the instructional design process: Moving the field beyond what we already know*. Symposium presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- Spector, J. M., Ganesan, R., Klein, J. D., Fields, D., de la Teja, I., Grabowski, B., Song, H., & Visser, J. (2003, October). *Research on instructor competencies*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- Spector, J. M., Grabowski, B., Sorensen, B., Klein, J., de la Teja, I., Sims, R. (2003, June). *The impact of information technology on instructor and learner competencies*. Paper presented at the World Conference on Educational Multimedia, Hypermedia, and Telecommunications. Honolulu, HI.
- *Uribe, D., & Klein, J. D. (2003, October). *The effect of case-based and systematic problem solving in a computer-mediated collaborative environment*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Zhang, Q., Reisslein, J., Klein, J., & Reisslein, M. (October, 2003). *A needs assessment for a graduate level course in optical networking*. Paper presented at the bi-annual Education and Training in Optics & Photonics (ETOP) Conference, Tucson, AZ.
- Klein, J. D. (2002, November). *Empirical research on performance improvement*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- Spector, J. M., Klein, J. D., Fields, D., de la Teja, I., Grabowski, B., Sims, R., & Visser, J. (2002, November). *Developing and validating competencies for classroom and online teachers*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- *Uribe, D., Klein, J. D., & Sullivan, H. (2002, November). *The effect of learning structure and ability on student performance resolving ill-defined problems in a web-based environment*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Dallas, TX.
- Spector, J. M., Klein, J. D., Fields, D., de la Teja, I., Grabowski, B., Sims, R., & Visser, J. (2002, October). *Competencies for classroom and online teachers: Development and validation*. Paper presented at the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Montreal, Canada.
- *Brinkerhoff, J., Klein, J. D., & Brush, T. (2002, April). *The value of advisement and informal cooperative groups in support of learning in an open-ended learning environment*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- *Glazewski, K., Brush, T., Klein, J. D. (2002, April). *Instructional strategies utilized during the implementation of a hypermedia, problem-based learning environment: A case study*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- *Brinkerhoff, J., Klein, J. D., & Brush T. (2001, November). *The effects of advisement and informal cooperative grouping on learning from a multimedia database*. Paper presented at the meeting of the Association for Educational Communications and Technology, Atlanta, GA.
- *Glazewski, K., Brush, T., & Klein, J. D. (2001, November). *The role of scaffolds in support of learners within hypermedia, problem-based learning environments*. Paper presented at the meeting of the Association for Educational Communications and Technology, Atlanta, GA.

- Richey, R., Klein, J. D., & Spector, J. M. (2001, November). *ibstpi competency standards: Development, definition, and use*. Paper presented at the meeting of the Association for Educational Communications and Technology, Atlanta, GA.
- *Brewer, S. A., & Klein, J. D. (2000, October). *Using small group strategies with adult re-entry students*. Paper presented at the meeting of the Association for Educational Communications and Technology, Denver, CO.
- *Koroghlanian, C., & Klein, J. D. (2000, October). *The use of audio and animations in computer-based instruction*. Paper presented at the meeting of the Association for Educational Communications and Technology, Denver.
- *Werner, J. L., & Klein, J. D. (2000, October). *Performance data in professional publications*. Paper presented at the meeting of the Association for Educational Communications and Technology, Denver, CO.
- *Brinkerhoff, J., & Klein, J. D. (2000, February). *Effects of structured and unstructured overviews and computer experience in learning*. Paper presented at the meeting of the Association for Educational Communications and Technology, Long Beach, CA.
- *Klein, J. D., Brinkerhoff, J., Koroghlanian, C., Ku, H., & MacPherson-Coy, A. (2000, February). *Teaching the introductory course in Educational Technology: A needs assessment*. Paper presented at the meeting of the Association for Educational Communications and Technology, Long Beach, CA.
- *Werner, J. L., & Klein, J. D. (2000, February). *Design, development, and evaluation of instructional science software: Applications of theory and research*. Paper presented at the meeting of the Association for Educational Communications and Technology, Long Beach, CA.
- *Klein, J. D., & Schnackenberg, H. L. (1999, April). *Effects of cooperative learning and need for affiliation on achievement, motivation, and student interaction*. Poster session presented at the meeting of the American Educational Research Association, Montreal, Canada.
- *Brewer, S. A., & Klein, J. D. (1999, February). *Ten considerations for developing Internet based instruction*. Paper presented at the meeting of the Association for Educational Communications and Technology, Houston, TX.
- *Klein, J. D., & Cavalier, J. C. (1999, February). *Using cooperative learning and objectives with computer-based instruction*. Paper presented at the meeting of the Association for Educational Communications and Technology, Houston, TX.
- *Werner, J. L., & Klein, J. D. (1999, February). *Effects of learning structure and summarization during computer-based instruction*. Paper presented at the meeting of the Association for Educational Communications and Technology, Houston, TX.
- *Werner, J. L., & Klein, J. D. (1998, June). *Using computers to teach high school science*. Paper presented at the 19th annual National Educational Computing Conference, San Diego, CA.
- *Flynn, A., Bos, D., Klein, J. D., Killoy, J., & Manrique, F. (1998, February). *Training teachers to use the Internet: A case study*. Paper presented at the meeting of the Association for Educational Communications and Technology, St. Louis, MO.
- Klein, J. D. (1998, February). *Publishing in instructional development: An analysis of ETR&D*. Paper presented at the meeting of the Association for Educational Communications and Technology, St. Louis, MO.
- *Klein, J. D., & Cavalier, J. C. (1997, April). *Effects of orienting activities and learning strategies in CBI*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.
- *Klein, J. D., & Doran, M. S. (1997, April). *Implementing individual and small group structures with a computer simulation*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

- *Manrique, F., Sullivan, H. J., & Klein, J. D. (1997, April). *Effects of spatial ability levels and presentation platform on performance of a pictured rotation task*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.
- *Klein, J. D., Schnackenberg, H. L., & Smith, K. L. (1997, February). *Effects of cooperative learning and affiliation during an ITV lesson*. Paper presented at the meeting of the Association for Educational Communications and Technology, Albuquerque, NM.
- *McAuliffe, C. A., & Klein, J. D. (1997, February). *Visualization and 3-D animation: Effect of presentation strategy in a computer-based science program*. Paper presented at the meeting of the Association for Educational Communications and Technology, Albuquerque, NM.
- *Doran, M. S., & Klein, J. D. (1996, February). *The effects of learning structures on student achievement and attitude using a computer simulation*. Paper presented at the meeting of the Association for Educational Communications and Technology, Indianapolis, IN.
- *Jones, E. E., Sullivan, H. J., & Klein, J. D. (1996, February). *Effect of matching preferences for instructional method on achievement and attitude*. Paper presented at the meeting of the Association for Educational Communications and Technology, Indianapolis, IN.
- Klein, J. D., & Kidd, G. (1996, February). *Characteristics of successful instruction in higher education*. Paper presented at the meeting of the Association for Educational Communications and Technology, Indianapolis, IN.
- *Sherman, G. P., & Klein, J. D. (1995, April). *The effects of cued interaction and ability grouping during cooperative computer-based science instruction*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.
- *Crooks, S. M., Klein, J. D., Jones, E. E., & Dwyer, H. (1995, February). *Effects of cooperative learning and learner control in computer-assisted instruction*. Paper presented at the meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Jones, E. E., Crooks, S. M., & Klein, J. D. (1995, February). *Development of a cooperative learning observational instrument*. Paper presented at the meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Pridemore, D. R., & Klein, J. D. (1995, February). *Control of practice with different types of feedback in CBI*. Paper presented at the meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Crooks, S., Klein, J. D., Dwyer, H., & Jones E. (1994, April). *Effects of learner control modes in a computer-based cooperative learning environment*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- *Scarafiotti, J. C., Klein, J. D., & Cavalier, F. (1994, April). *Effects of small group and cooperative learning practice in a cooperative training setting*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- *Jones, E. E., Sullivan, H. J., & Klein, J. D. (1994, February). *Influencing math achievement with instructional elements*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.
- *Leader, L., & Klein, J. D. (1994, February). *The effects of search tools and cognitive style on performance in hypermedia database searches*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.

- *Sherman, G. P., Driscoll, M. P., & Klein, J. D. (1994, February). *How teachers and instructional designers conceive of their planning practices*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.
- *Klein, J. D., Pridemore, D. R., & Verdi, M. (1993, April). *Effects of orienting activities and practice in a cooperative learning environment*. Paper presented at the meeting of the American Educational Research Association, Atlanta, GA.
- *Doran, M. S., Sullivan, H. J., & Klein, J. D. (1993, February). *Student performance and attitude using peer collaboration in accounting*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.
- *Klein, J. D., Erchul, J. A., & Pridemore, D. R. (1993, February). *Effect of cooperative learning and incentive on motivation and performance*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.
- *Pridemore, D. R., & Klein, J. D. (1993, February). *Learner control of feedback in a computer lesson*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.
- *Werner, L., Klein, J. D., & Sullivan, H. J. (1993, February). *Cooperative and competitive practice: Effects of ability and grouping*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Nashville, TN.
- *Werner, L., Klein, J. D., Brooks, R., Kulhavy, R. W., & Stock, W. A. (1992, June). *Remembering maps and text: Effects of color and organization*. Paper presented at the meeting of the American Psychological Society, San Diego, CA.
- *Klein, J. D., & Pridemore, D. R. (1992, April). *Effects of cooperative learning and the need for affiliation on performance and motivation*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.
- *Pridemore, D. R., & Klein, J. D. (1992, April). *Response pattern analysis of computer-assisted instruction with learner control of feedback*. Paper presented at the meeting of the American Educational Research Association, San Francisco.
- *Doran, M. S., & Klein, J. D. (1992, February). *Design and development of a workshop for teaching assistants*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Washington, DC.
- *Erchul, J. A., & Klein, J. D. (1992, February). *The effect of cooperative group versus individuals on performance and continuing motivation in an ITV lesson*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Washington, DC.
- *Igoe, A., Sullivan, H. J., Klein, J. D., Jones, E., & Savenye, W. (1992, February). *The future of Educational Technology*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Washington, DC.
- Klein, J. D., & Knupfer, N. N. (1992, February). *Differences in re-entry and traditional college students for computer literacy*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Washington, DC.
- *Pridemore, D. R., & Klein, J. D. (1992, February). *Effects of learner control over feedback in computer-assisted instruction*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Washington, DC.

- *Rankin, S. L., & Klein, J. D. (1992, February). *Effects of learner control over practice difficulty in CAI*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Washington, DC.
- *Mulvenon, S. W., Klein, J. D., & Santos de Barona, M. (1991, August). *Evaluating the interaction of feedback and attribution in the classroom*. Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Klein, J. D. (1991, April). *The effect of using an instructional game on the motivation and performance of college students*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- *Mattoon, J. S., Thurman, R. A., Klein, J. D., & DeVilbiss, C. A. (1991, April). *Learner control in computer-assisted instructional simulation*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- *Barnard, J., & Klein, J. D. (1991, February). *Instructional resources via satellite television*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Freitag, E. T., & Klein, J. D. (1991, February). *The effect of gender and review strategies on motivation*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Freitag, E. T., & Klein, J. D. (1991, February). *Training students to utilize self-motivational strategies*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- Klein, J. D. (1991, February). *Determining the motivational characteristics of college students: An exploratory study*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- Klein, J. D. (1991, February). *Training teachers to be instructional technologists*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Mattoon, J. S., Klein, J. D., & Thurman, R. A. (1991, February). *Learner control versus computer control in instructional simulation*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- *Pridemore, D. R., & Klein, J. D. (1991, February). *Feedback components and certitude applications for instructional designers*. Paper presented at the annual meeting of the Association for Educational Communications and Technology, Orlando, FL.
- Klein, J. D. (1990, April). *The effects of interest, incentive value, and reward contingencies on self efficacy and learning*. Paper presented at the annual meeting of the American Educational Research Association, Boston, MA.
- Klein, J. D. (1990, February). *Designing instruction for college re-entry students: An analysis of cognitive and affective characteristics*. Paper presented at the meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Klein, J. D., Freitag, E., & Wolf, B. (1990, February). *Providing practice using instructional gaming: A motivating alternative*. Paper presented at the meeting of the Association for Educational Communications and Technology, Anaheim, CA.

- Klein, J. D., & Higgins, N. (1990, February). *Incentive contingencies, attitude, and performance in a visual learning task*. Paper presented at the meeting of the Association for Educational Communications and Technology, Anaheim, CA.
- *Freitag, E. T., & Klein, J. D. (1989, October). *Using instructional gaming: A motivational alternative*. Paper presented at the meeting of the Arizona Educational Research Organization, Mesa, AZ.
- Klein, J. D. (1989, March). *The effects of student ability, locus of control, and type of instructional control on motivation and performance*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.
- Klein, J. D., & Salisbury, D. F. (1989, March). *Learning from computer drills: An examination of the progressive state drill for microcomputers*. Paper presented at the meeting of the International Association for Computing in Education, San Francisco, CA.
- Grise, P. J., Klein, J. D., & Hintzen, N. A. (1989, March). *The impact of not graduating from high school: What it means to Florida's certificate of completion holders and employers*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.
- Klein, J. D. (1989, February). *Examining the influence of learner control on student motivation and performance*. Paper presented at the meeting of the Association for Educational Communications and Technology, Dallas, TX.
- Klein, J. D., & Grise, P. J. (1988, April). *Examining the success of GED diploma holders in Florida's community colleges and the workforce*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- Grise, P. J., Klein, J. D., Reese, A., & Hintzen, N. A. (1988, April). *Policy and procedural issues concerning identification and placement of exceptional education students*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- Klein, J. D. (1988, January). *Conducting research in educational technology using an ethnography/case study approach*. In J. D. Klein (Chair), *Using Alternative Designs for Conducting Research in Instructional Technology*. Symposium conducted at the meeting of the Association for Educational Communications and Technology, New Orleans, LA.
- Klein, J. D. (1988, January). *The nontraditional college student: Implications for instructional technology*. Paper presented at the meeting of the Association for Educational Communications and Technology, New Orleans, LA.
- Klein, J. D., Voss, D. R., & Gardner, G. N. (1987, February). *Age of viewer and gender of narrator: Their effects on children's attention and comprehension*. In R. A. Reiser (Chair), *Improving the Research Skills of Graduate Students in Instructional Technology*. Symposium conducted at the meeting of the Association for Educational Communications and Technology, Atlanta, GA.
- Klein, J. D., & Salisbury, D. F. (1987, February). *A comparison of a microcomputer progressive state drill and flashcards for learning paired associates*. Paper presented at the meeting of the Association for Educational Communications and Technology, Atlanta, GA.
- Salisbury, D. F., Richards, B. F., & Klein, J. D. (1985, April). *Prescriptions for the design of practice activities for learning: An integration from instructional design theories*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

Teaching

Courses Teaches at Florida State University

EME 5608 - Trends and Issues in Instructional Design & Technology

EME 6363 - Research Practicum in Learning & Instructional Systems

EME 6691 - Performance Systems Analysis

Courses Taught at Arizona State University

EDT 501 - Foundations of Educational Technology

EDT 502 - Design and Development of Instruction

EDT 507 - Trends in Performance Improvement

EDT 580 - Instructional Design Practicum

EDT 701 - Research in Educational Technology

EDT 780 - Advanced Instructional Design

EDP 301 - Learning and Motivation in Education

EDP 504 - Learning and Instruction

EDP 510 - Essentials of Classroom Instruction

Doctoral Dissertations Directed

Wilson, Rebecca (2011). *External validation of an instructional design model for high fidelity simulation: Model application in a hospital setting.*

Vadivelu, Ramaswamy (2009). *A cross-cultural investigation of human performance technology interventions.*

Alarcon, Christy Mostajo (2008). *Effects of interaction cues and instructional setting in collaborative computer based instruction.*

Nguyen, Frank (2007). *Electronic performance support systems and training as performance interventions.*

Su, Yuyan (2007). *The impact of scaffolding type and prior knowledge in a hypermedia, problem-based environment.*

Martin, Florence (2005). *Effects of instructional elements in computer-based instruction.*

Brewer, Susan (2004). *Small group learning in an online asynchronous environment.*

Glazewski, Krista, D. (2003). *The impact of scaffolding and student ability in a hypermedia, problem-based learning unit.*

McAuliffe, Carla (2003). *Visualizing topography: Effects of presentation strategy, gender, and spatial ability.* (co-directed with W. Savenye).

Uribe, Daniel (2002). *The effect of case-based versus systematic problem solving in a computer-mediated collaborative environment.*

Brinkerhoff, Jonathan (2001). *The effects of advisement and informal cooperative grouping on learning from a multimedia database.*

Flynn, Anna (2000). *The influence of small groups in case-based learning.*

Koroghlanian, Carol (2000). *Animation, audio, and spatial ability: Optimizing multimedia for scientific explanations.*

Manrique, Fernando (1998). *The effects of display type and spatial ability on performance during a virtual reality simulation.*

Werner, Lynn (1997). *Effects of learning structure and summarization during computer-based instruction.*

Cavalier, Jamie C. (1996). *Effects of learning strategy and orienting activity during computer instruction.*

Crooks, Steven M. (1995). *Cooperative learning and learner control modes in computer-assisted instruction.* (co-directed with W. Savenye).

Doran, Martha S. (1994). *The effect of individual, cooperative, and collaborative learning structures on student achievement and attitudes using a computer simulation in accounting.*

Mattoon, Joseph (1994). *Instructional control in part and whole task training.* (co-directed with H. Sullivan).

Sherman, Gregory P. (1994). *The effects of cued interaction and ability grouping during cooperative computer-based science instruction.*

Pridemore, Doris R. (1993). *Effects of control of practice and type of feedback in computer-assisted instruction.*

Hicken, Samuel H. (1991). *Learner control and incentive in computer-assisted instruction.* (co-directed with H. Sullivan).

Special Instructional Accomplishments

Chair of the 2010 Outstanding Dissertation awarded to Ramaswamy Vadivelu by the International Society for Performance Improvement.

Chair of the 2008 Outstanding Dissertation awarded to Frank Nguyen by the International Society for Performance Improvement.

Chair of the dissertation study by Krista Glazewski that won the 2004 Young Researcher Award given by the Instructional Technology Special Interest Group of the American Educational Research Association and that won the 2004 Outstanding Student Research Award given by the Division of Psychology in Education, Arizona State University.

Chair of the 2001 Robert M. Gagne Outstanding Dissertation awarded to Carol Koroghlanian by the Association for Educational Communications and Technology.

Chair of the 1995 Robert M. Gagne Outstanding Dissertation awarded to Gregory Sherman by the Association for Educational Communications and Technology.

Co-chair of the 1992 Robert M. Gagne Outstanding Dissertation awarded to Samuel Hicken by the Association for Educational Communications and Technology.

Service

Professional Participation

Conference Planner,
Association for Educational Communications & Technology
Featured Research Section (2009 – 2014)

Editor,
Educational Technology, Research & Development
Development Section (1997 - 2002)

Editor-elect,
Educational Technology, Research & Development
Development Section (1996)

Editorial Board,
Educational Technology, Research & Development
Research Section (1994 - 1996; 2003 - 2006)

Editorial Consultant,
Contemporary Educational Psychology
(1989 - 1995)

Editorial Consultant,
Educational Technology
(1991 - 1995)

Editorial Consultant,
Educational Technology, Research & Development
Research Section (1989 - present)
Development Section (1991 - 1996; 2003 - present)

Editorial Consultant,
Journal of Computing in Higher Education (2009 – present)

Manuscript Review,
American Educational Research Journal
(1989 - 1990)

Book Review,
Educational Technology, Research & Development
(1990, 1992, 1999, 2011)

Proposal Review,
National Science Foundation
(1996)

Membership in Professional Organizations

American Education Research Association (AERA)
Division C, Learning and Instruction
Instructional Technology Special Interest Group

Association for Educational Communications & Technology (AECT)
Division of Instructional Development
Research and Theory Division
Training and Performance Division

International Association for Development of the Information Society (IADIS)

National Consortium for Instruction and Cognition (NCIC)

Professors of Instructional Design and Technology (PIDT)

Elected Offices

International Board of Standards for Training, Performance, and Instruction (ibstpi)
Board Member (2000- 2007)
Treasurer (2004 - 2007)

President,
Division of Instructional Development (DID)
Association for Educational Communications and Technology
(1997 - 1998)

President,
Research & Theory Division (RTD)
Association for Educational Communications and Technology
(1993 - 1994)

Chair,
Instructional Technology Special Interest Group (IT/SIG)
American Educational Research Association
(1991 - 1992)

Appointed Positions

Advisory Board Member,
Training and Performance Division
Association for Educational Communications and Technology
(2007)

Chair,
Committee on policies for convention planning
Association for Educational Communications and Technology
(1993 - 1994)

Division Council and Assembly Delegate,
Association for Educational Communications and Technology
(1991, 1992, 1994)

Institutional Service

Educational Technology/Learning & Instructional Technology program:

Academic Program Coordinator (Fall 2004 - Fall 2007; AY 1996 - 2001; AY 2010 - 2011)
Chair of Admissions Committee (Fall 2002 - Fall 2005)
Curriculum Revision (1997)
Admissions Committee (1989 - present)
Course Schedule Coordinator (1992 - 1999)
Member of Faculty Search Committees (AY 1989-90; Spring 2000; AY 2000-01; 2001-02)

Division of Psychology in Education:

Director (January 2008 - June 2009)
Chair of EDT Faculty Search Committee (AY 2004 - 2005)
Chair of the EDT Clinical Faculty Search Committee (Summer 2005)
Chair of EDT Transition Committee (Spring 1999)
Executive Committee (AY 2007 - 2009; 1996 - 1997)
Personnel Committee (Spring 1996, AY 2002 - 2005)
Curriculum Committee (Spring 1996)
Affirmative Action & Human Relations Committee (1990 - 1991)
Graduate Teaching Award Committee (1990; 1991; 1996)

College of Education:

Personnel Committee (Fall 2006 - Fall 2007; 1997 - 2001; Fall 1994)
Search Committee for the Division Director of Psychology in Education (AY 2006 - 2007)
Operations Committee (2002 - 2005)
Allocation of Resources Subcommittee (2002 - 2003)
Co-chair of Personnel Committee (Fall 2001)
Chair of Administrative Evaluation Subcommittee (Spring 2000)
Ad hoc Committee on Promotion Guidelines (Fall 2001)
Ad hoc Committee on Personnel Policies & Procedures (1998 - 1999)
EMC/LNT Merger Committee Chair (Fall 1998)
AEIS Board of Directors (1997 - present)
EMC Faculty Search Committee (1997 - 1998)
Director of Research Search Committee (Spring 1997)
Allocation of Resources Committee (1995 - 1998)
Research Committee (1993 - 1995)
Graduate Core Committee (Fall, 1994)
Admissions, Scholastic Standing, & Scholarship Committee (1990 - 1993)
NCATE Program Review Committee (Spring 1991)
PTP Faculty Advisory Committee (Spring 1990)
Standing Scholarship Committee (1989 - 1990)
Ad hoc Committee on Teaching Large Classes (1989)
Themes Development Coordinating Committee (1989)
EDP 301 Oversight Committee (1988 - 1989)
EDP 510 Oversight Committee (1988 - 1989)

University:

Institutional Review Board, Human Subjects (AY 2002 - Fall 2007; Fall 1993)
Graduate Council Dissertation Representative (1996; 2001)
Graduate College, TA Training Workshop (Fall 1993)
Chair, Faculty Development Advisory Committee (1992 - 1993)
Faculty Senate Representative (1990 - 1993)
Faculty Development Advisory Committee (1990 - 1993)
Action NOW Representative Phase II (1989 - 1991)

Conference Participation

American Educational Research Association

- Annual Meeting Program Chair, IT/SIG (1992)
- Annual Meeting Program Review (1989 - 2000, 2009 - 2011)
- Annual Meeting Session Chair (1989, 1992)
- Annual Meeting Session Discussant (1990, 1993)

Association for Educational Communications and Technology

- Annual Meeting Program Chair, Featured Research Section (2009, 2010, 2011)
- Annual Meeting Program Chair, Division of Instructional Development (1997)
- Annual Meeting Program Chair, Research & Theory Division (1993)
- Annual Meeting Program Reviewer (1990 - 2009)
- Annual Meeting Session Chair (1988 - 1993, 2000)
- Annual Meeting Session Discussant (1990, 1992, 1996, 1997, 1999, 2005, 2008)
- Annual Meeting Symposium Organizer (1988, 1991, 2000, 2007)

International Association for Development of the Information Society

- Program Committee, Conference on Cognition and Exploratory Learning in the Digital Age (2009)

Awards and Honors

2009 James W. Brown Publication Award
Outstanding Publication in the Field of Educational Technology
Association for Educational Communications and Technology

Identified as third most productive *ETR&D* author from 1989 - 2008
See Ku, H (2009). Twenty Years of Productivity in *ETR&D*
Volume 57, Number 6

2008 Featured Research Paper Award
Association for Educational Communications and Technology

2008 Outstanding Book in the Field of Instructional Design
Division of Design and Development
Association for Educational Communications and Technology

2007 Outstanding Reviewer
Educational Technology, Research & Development (Research Section)

2006 Special Service Award
Association for Educational Communications and Technology

2005 Outstanding Book in the Field of Instructional Design
Division of Design and Development
Association for Educational Communications and Technology

2002 Outstanding Service Award
Division of Design and Development
Association for Educational Communications and Technology

1998 Distinguished Alumnus Award
Instructional Systems Program
Florida State University

AECT Recognition for service as editor of an Outstanding Special Issue of
Educational Technology, Research & Development, 45(3), 1997

1996 Outstanding Journal Article Award
Research and Theory Division
Association for Educational Communications and Technology

1993 Outstanding Mentor Award
Graduate & Professional Student Association
Arizona State University

1990 & 2002 Faculty of the Year Award Nominee
Disabled Student Resources
Arizona State University

1988 Outstanding Journal Article Award
Division of Instructional Development
Association for Educational Communications and Technology

1988 Gagne-Briggs Outstanding Doctoral Student Award
Instructional Systems Program
Florida State University

Phi Kappa Phi Honor Society & Phi Theta Kappa Honor Fraternity

Hal S. Ives Memorial Scholarship
Kiwanis Club of Lake Worth

Contracts and Grants

Co-principal Investigator,
Evaluation of Project Venture
Sponsor: Creighton Elementary School District
Amount funded: \$118,248

Co-principal Investigator,
Assessment Development on Cisco Networking Academies
Sponsor: CISCO Systems, Inc.
Amount funded: \$189,114

Co-principal Investigator,
Instructional Technology Internship Program
Sponsor: Intel Corporation
Amount funded: \$142,930

1992 College of Education Research Incentive Award
Arizona State University
Amount awarded: \$500

Consulting Activities

American Compensation Association
Arizona Department of Corrections
Arizona Office of the State Auditor General
Canadian Compensation Association
Daimler Chrysler Services
Drug Awareness, Resistance, & Education (DARE) Program
Morrison Institute of Public Policy, Arizona State University
Motorola University - West
School of Accountancy, Arizona State University
United States Army - Training and Doctrine Command
University of Ballarat, Australia
University of Phoenix