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 College of Education  
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**Educational Background:**

<b>Ph.D., Special Education</b> Arizona State University	May 1990
<b>M.Ed., Special Education</b> Arizona State University	May 1988
<b>B.A., Psychology</b> University of Pittsburgh	December 1985

**Professional Experience:**

Associate Professor Special Education Program Arizona State University Tempe, AZ	1994-present
Assistant Professor Special Education Program Arizona State University Tempe, AZ	1990-1994
Visiting Professor Western Washington University Bellingham, WA	Summer 1990
Faculty Associate Arizona State University Research Associate	Summer 1990
South Mountain High School Research Project Arizona State University	1989-1990
Director Special Education Evaluation Clinic Arizona State University	1987-present
Graduate Research Assistant Special Education Arizona State University	1987-1989
Statistical Consultant Salt Lake School District	1988-1989
Statistical Consultant Early Intervention Specialist Project Arizona State University	1988-1989

Special Education Teacher Queen Creek Unified School District Queen Creek, AZ	1987-1988
Behavioral Consultant Catholic Youth Services Phoenix, AZ	1987-1988
Youth Counselor Phoenix Children's Hospital Phoenix, AZ	1986-1987
Behavioral Counselor St. Francis Medical Center Pittsburgh, PA	1985-1986
Research Assistant Western Psychiatric Institute and Clinic Pittsburgh, PA	1984-1985

### Sponsored Projects

21<sup>st</sup> Century Distrubuted Learning Environment, Project Manager  
\$2,800,000  
March 1998-  
GSA

Eruditio Project, Co-Principal Investigator  
USWest/NEA Teacher Network  
\$1, 200,000.00  
1996 - 1999  
USWest Foundation sponsored project  
(<http://eruditio.asu.edu>)

1996-1998 Principal Investigator, Wireless Connectivity in Mohave County (\$127,750), National Science Foundation, ANI Division Of Advanced Network Infrastructure & Research, Computer Science and Engineering Direct For Computer & Information Science & Engineering. (ANI9613918).

1996-1998 Principal Investigator, ASPIN: Wireless Connectivity in Western Arizona (\$178,865), National Science Foundation, ANI Division Of Advanced Network Infrastructure & Research, Computer Science and Engineering Direct For Computer & Information Science & Engineering. (ANI9613913).

1996-1998 Co-Principal Investigator, ASPIN: Innovative K-12 Connectivity with CATV (\$69,400), National Science Foundation, ANI Division Of Advanced Network Infrastructure & Research, Computer Science and Engineering Direct For Computer & Information Science & Engineering. (ANI9613893) .

1998-2000 Co-Principal Investigator, Enabling and Extending the Arizona Infrastructure for Advanced Networking and Applications Research via the vBNS (\$350,000), National Science Foundation, ANI Division Of Advanced Network Infrastructure & Research, Computer Science and Engineering Direct For Computer & Information Science & Engineering. (ANI9729709).

Internet Training Project: Phase Two, Co-Principal Investigator  
\$200,000  
1997 - 1998  
General Services Administration sponsored project  
(<http://media4.asu.edu>)

Conexiones, Co-Principal Investigator  
\$50,000 annually  
1992 - 1998  
Migrant Child Education Program, Arizona Dept. of Education funded project  
(<http://conexiones.asu.edu>)

**Publications:**

- Yu, C. H., Jannasch-Pennell, A. & DiGangi, S. (1999). Opportunities and options for Web-enabled databases: Comparing and choosing the right software for virtual courses and communities. International Journal of Educational Technology.
- Ohlund, B., Jannasch-Pennell, A., DiGangi, S., Andrews, S., & Yu, C. H. (1999). An analysis of internet-based communications and collaboration among K-12 educators. Proceedings of Ed-Media 99 World Conference on Educational Multimedia, Hypermedia and Telecommunications.
- Andrews, S., Winograd, D., DiGangi, S., Jannasch-Pennell, A., & Yu C. H. (1999). Designing on-line instruction using multidisciplinary approaches. Proceedings of 1999 Annual Meeting of Association for Educational Communications and Technology.
- Yu, C. H., Winograd, D., Andrews, S., DiGangi, S. & Jannasch-Pennell, A. (1998). Visualizing collinearity , variance inflation factor, and orthogonalization in subject space. Proceedings of 1998 American Statistical Association Convention. Alexandria, VA: ASA.
- Yu, C. H., Andrews, S., Winograd, D., Jannasch-Pennell, A. & DiGangi, S. (1998). Visualizing factor analysis in variable space and subject space. Proceedings of 1998 American Statistical Association Convention. Alexandria, VA: ASA.
- Yu, C. H., DiGangi, S., Jannasch-Pennell, A., & Wasson, B. (1998). Using On-line interactive statistics for evaluating Web-based instruction, Journal of Educational Media International, 35, 157-161.
- Hammond, D. G., Zucker, S. H., Burstein, K. S., DiGangi, S. A. (1997). Computer-Mediated Instruction for Increasing Regular Education Students' Acceptance of Students with Mental Retardation. Education and Training in Mental Retardation and Developmental-Disabilities; 32 (4), 313-20.
- Zucker, S.H., DiGangi, S.A., & Gilliam, J.E. (1994). Temperment differences among students with and without the label of mental retardation. In J.E. Gilliam (Ed.), Topics in emotional disturbance, vol. 13, Austin, TX: Behavior Learning Center.
- Maag, J.W., Reid, R., & DiGangi, S.A. (1993). Differential effects of self-monitoring attention, accuracy, and productivity. Journal of Applied Behavioral Analysis, 26, 329-344.
- DiGangi, S. A., & Maag, J. W. (1992). A component analysis of self-management training with behaviorally disordered youth. Behavioral Disorders, 17, 281-290.
- Zucker, S., Faykus, S. P., & DiGangi, S. A. (1992). Future issues and challenges in mental retardation and developmental disabilities. Education and Training in Mental Retardation. 27, 91-92.
- Maag, J. W., Behrens, J., & DiGangi, S. A. (1992). Dysfunctional cognitions associated with adolescent depression: Findings across special populations. Exceptionality, 3, 31-47.
- Maag, J. W., Rutherford, R. B., & DiGangi, S. A. (1992). Effects of self-monitoring and contingent reinforcement on on-task behavior and academic productivity of learning disabled students: A social validation study. Psychology in the Schools, 29, 152-165.
- DiGangi, S. A., Maag, J. W., & Rutherford, R. B. (1991). Self-graphing of on-task behavior: Enhancing the reactive effects of self-monitoring on on-task behavior and academic performance. Learning Disability Quarterly. 14, 221-230.
- DiGangi, S. A., & Lewis, T. (1991). Increasing generalization of behavior-change programs: Teaching students self-management skills. In J. Marr & G. Tindal (Eds.). Oregon conference '91 monograph. Eugene, OR: University of Oregon.

- DiGangi, S. A., Perryman, P., & Rutherford, R. B. (1990). Juvenile Offenders in the 90s: A descriptive analysis. Perceptions, 25, 5-8.
- Lewis, T., DiGangi, S. A., & Sugai, G. (1990). Techniques to facilitate behavioral programming decisions. In G. Tindal & J. Marr (Eds.) Oregon conference '90 monograph. Eugene, OR: University of Oregon.
- Rutherford, R. B., & DiGangi, S. A. (Eds.) (1990). Severe behavior disorders of children and youth: CCBD monograph (Vol. 13). Reston, VA: Council for Children With Behavioral Disorders.
- DiGangi, S. A. (1991). Book Review: T. A. Brigham, Self-management for adolescents a skills training program, (New York: Guilford Press, 1989), Review in Education and Treatment of Children, 14.
- DiGangi, S. A. (1991). Book Review: M. H. Campbell, & T. L. Raper, Special planning for special people: Autism, (Albuquerque, NM: Albuquerque Public Schools, 1989), Review in Behavioral Disorders. 16, 158-159.
- Behrens, J. T., Stock, W. A., & DiGangi, S. A. (1990). Optimal display characteristics of box-plots and other displays. American Statistical Association: Statistical Graphics, 8, 7-12.
- Braaten, S., Rutherford, R. B., Reilly, T., & DiGangi, S. A. (Eds.). (1989). Programming for adolescents with behavioral disorders (Vol. 4). Reston, VA: Council for Children With Behavioral Disorders.
- DiGangi, S. A., Behrens, J. T., & Maag, J. W. (1989). Dimensions of depression: Factors associated with hopelessness and suicidal intent among special populations. In R. B. Rutherford, R.B., & S. A. DiGangi (Eds.) Severe behavior disorders of children and youth: CCBD monograph (Vol. 12, pp. 47-53), Reston, VA: Council for Children With Behavioral Disorders.
- Rutherford, R. B., & DiGangi, S. A. (1989). (Eds.). Severe behavior disorders of children and youth: CCBD monograph (Vol. 12). Reston, VA: Council for Children With Behavioral Disorders.
- Howell, K. W., & DiGangi, S. A. (1988). Additional comments on Lombard. NASP Communique, 16, 4.

### **Books or Chapters in Books:**

- DiGangi, S.A. (1993). Working with special needs children in the regular classroom. In B.J. Enz and S.J. Cook (Ed.) Gateway to Teaching: From Pre-service to In-service. Dubuque, IA: Kendall/Hunt Publishing Company.
- DiGangi, S. A., & Faykus, S. P. (1993). Best Practices in Assessment for School and Clinical Settings. In H. B. Vance (Ed.) Best Practices in Assessment. Brandon, VT: Clinical Psychology Publishing Company.
- Rutherford, R. B., DiGangi, S. A., Anderson, K. A., & Chipman, J. L. (1992). Teaching social skills. Ann Arbor, MI: Exceptional Innovations.
- Lewis, T., Hefflen, J., & DiGangi, S. A. (1991). Teaching students with behavioral disorders: Basic questions and answers. Reston, VA: Council for Exceptional Children.

### **Bulletins and Reports:**

- Ohlund, B., Jannasch-Pennell, A., DiGangi, S., Andrews, S., & Yu, C. H. (in press). An analysis of internet-based communications and collaboration among K-12 educators. Proceedings of Ed-Media 99—World Conference on Educational Multimedia, Hypermedia and Telecommunications.
- Andrews, S., Winograd, D., DiGangi, S., Jannasch-Pennell, A., & Yu C. H. (in press). Designing on-line instruction using multidisciplinary approaches. Proceedings of 1999 Annual Meeting of Association for Educational Communications and Technology.

- Yu, C. H., Winograd, D., Andrews, S., DiGangi, S. & Jannasch-Pennell, A. (in press). Visualizing collinearity, variance inflation factor, and orthogonalization in subject space. Proceedings of 1998 American Statistical Association Convention. Alexandria, VA: ASA.
- Yu, C. H., Andrews, S., Winograd, D., Jannasch-Pennell, A. & DiGangi, S. (in press). Visualizing factor analysis in variable space and subject space. Proceedings of 1998 American Statistical Association Convention. Alexandria, VA: ASA.
- DiGangi, S.A., & Irvine, S.E. (1993). Exploring the Internet: Enhancing Student Productivity Through Telecommunications. (Technical Report No. 1). Tempe, AZ: Kidzmail Project.
- Cohn, S.J., & DiGangi, S.A. (1993). Project Fusion: Infusing Academic Content into Vocational Education Curriculum. (Technical Report No. 100). Tempe, AZ: Project Fusion.
- Spencer, D. A., DiGangi, S. A. (1990). Demographic overview: South Mountain High School (Technical Report No. 1001). Tempe, AZ: South Mountain High School Research Project.
- Spencer, D. A., DiGangi, S. A. (1990). Report of teacher survey: Students' social services needs assessment (Technical Report No. 1002). Tempe, AZ: South Mountain High School Research Project.
- DiGangi, S. A., Spencer, D. A., & Berliner, D. C. (1990). Student and teacher survey results: Safe and orderly campus environment (Technical Report No. 1004). Tempe, AZ: South Mountain High School Research Project.
- Spencer, D. A., DiGangi, S. A., & Berliner, D. C. (1990). Student and teacher survey results: Leadership and rule enforcement. (Technical Report No. 1005). Tempe, AZ: South Mountain High School Research Project.
- Berliner, D. C., Spencer, D. A., & DiGangi, S. A. (1990). Student and teacher survey results: Learning and instruction. (Technical Report No. 1006). Tempe, AZ: South Mountain High School Research Project.
- DiGangi, S. A., Spencer, D. A., & Berliner, D. C. (1990). Student and teacher survey results: parent and community involvement (Technical Report No. 1007). Tempe, AZ: South Mountain High School Research Project.
- Spencer, D. A., DiGangi, S. A., & Berliner, D. C. (1990). Student and teacher survey results: Quality of campus life. (Technical Report No. 1008). Tempe, AZ: South Mountain High School Research Project.

### **Professional Papers and Presentations:**

- Ohlund, B., Jannasch-Pennell, A., DiGangi, S., Andrews, S., & Yu, C. H. (1999, June). An analysis of web-based communications and collaboration among K-12 educators. Paper accepted for Ed-Media 99—World Conference on Educational Multimedia, Hypermedia and Telecommunications, Seattle, WA.
- Candace Collins, C., Wasklewicz, A., DiGangi S., & Jannasch, A. (April, 1999) Improving education: teaching and learning with technology. The International Conference on College Teaching and Learning, Jacksonville, FL.
- Collins, C., Wasklewicz, A., DiGangi, S., & Jannasch, A. (April, 1999) Improving education: Teaching and learning with technology Arizona State University, Tempe, AZ.
- Ohlund, B., Andrews, S., Yu, C. H., Jannasch, A., & DiGangi, S. (April, 1999). Impact of asynchronous and synchronous Web-based communication on collaboration and performance among K-12 teachers. American Educational Research Association, Montreal, Canada.

- Jannasch-Pennell, A., DiGangi, S.A., Irvine Belson, S., Yu, Chong-ho, Cohn, S.J. (April, 1999). Intelligent, interactive web-based learning environments: A Component Analysis. American Educational Research Association, Montreal, Canada.
- Irvine S, Jannasch-Pennell, A., DiGangi, S.A., Yu, C. H., (April, 1999). Viability of the digital portfolio as an evaluation tool in K-6 education. American Educational Research Association, Montreal, Canada.
- DiGangi, S.A., & Wilson, D. (March, 1999). Live from south africa! the african ed-venture. Microcomputers in Education Conference, Tempe, AZ.
- DiGangi, S.A., Jannasch-Pennell, A., Wasson, B. (March 1999). The eruditio project: Integrating technology in the K-12 classroom. Microcomputers in Education Conference, Tempe, AZ.
- Collins, C., Wasklewicz, A., Wijesuriya, R., DiGangi, S., Jannasch-Pennell, A., Woller, A. (March 1999). Conexiones: teaching with technology, learning from robots. Microcomputers in Education Conference, Tempe, AZ.
- Collins, C., Wijesuriya, R., DiGangi, S., Jannasch-Pennell, A., Cohn, S. (March, 1999). Conexiones: New approaches to technology and diversity in education. Arizona Council for Exceptional Children, Tucson, AZ.
- Wasklewicz, A., DiGangi, S., Jannasch, A., & Collins, C. (March, 1999). Transitioning into the new millennium. Arizona Council for Exceptional Children, Tucson, AZ.
- Yu, C. H., Winograd, D., DiGangi, S., Wasson, B., Jannasch-Pennell, A. & Andrews, S. (1999, February). Using web-enabled databases for online instruction. Meeting of American Educational Communications and Technology, Houston TX.
- Andrews, S., Winograd, D., DiGangi, S., Jannasch-Pennell, A., & Yu C. H. (1999, February). Designing on-line instruction using multidisciplinary approaches. Meeting of American Educational Communications and Technology, Houston, TX.
- Jannasch-Pennell, A., DiGangi, S. (1999, February). Impact of instructional grouping on navigation and student learning in a web-based learning environment. Meeting of American Educational Communications and Technology, Houston, TX.
- Andrews, S., DiGangi, S. (1998, September). Multi-computer applications in the classroom. Graduate College TA Seminars, Tempe, AZ.
- Yu, C. H., Winograd, D., Andrews, S., DiGangi, S. & Jannasch, A. (1998, August). Visualizing collinearity, VIF, and orthogonalization in subject space. Joint Statistical Meeting of American Statistical Association, Dallas, TX.
- Yu, C. H., Andrews, S., Winograd, D., Jannasch, A. & DiGangi, S. (1998, August). Visualizing factor analysis in variable space and subject space. Joint Statistical Meeting of American Statistical Association, Dallas, TX.
- DiGangi, S.A., Jannasch-Pennell, A., Ohlund, B. (June 20-25<sup>th</sup>) The use of virtual collaboration and technology training to enhance the teaching practices of preservice and inservice educators. Association for Advancement of Computing in Education. ED-MEDIA 98. Freiburg, Germany,
- Eagleton, M. B., Ohlund, B.J., DiGangi, S. A, and Jannasch-Pennell, A. K. (1998) "Eruditio: A statewide example of educational collaboration". Teaching and Technology Conference, Tuscon, AZ.
- Winograd, D., Yu, C. H., Andrews, S., & DiGangi, S. (1998, March). Visualizing collinearity in regression analysis. Western Statistics Teacher Conference, Colorado Springs, CO.
- DiGangi, S., Jannasch-Pennell, A. (1998, March). Designing and evaluating distributed learning environments. Microcomputers in Education Conference. Tempe, AZ

- Irvine, S.E., Pennell, A.J., and DiGangi, S.A. (1998, February). Technology meets learning theory: Practicing what we preach. The Stop Surfing-Start Teaching 1998 National Conference, Myrtle Beach, SC.
- Jannasch-Pennell, A., DiGangi, S., Ohlund, B. (1998, January). Technology training within objectivistic versus constructivistic instructional environments. Conference of the Technology and Media Division of the Council for Exceptional Children, Atlanta, GA.
- Ohlund, B., DiGangi, S., Jannasch-Pennell, A. (1998, January). Objectivism versus constructivism paradigms in technology training. Conference of the Technology and Media Division of the Council for Exceptional Children, Atlanta, GA.
- DiGangi, S., Jannasch-Pennell, A., Ohlund, B. (1998, January). Virtual collaboration. Conference of the Technology and Media Division of the Council for Exceptional Children, Atlanta, GA.
- Jannasch-Pennell, A., Ohlund, B., DiGangi, S. (1998, January). Integration of content area and technology to enhance preservice and inservice educator training. Conference of the Technology and Media Division of the Council for Exceptional Children, Atlanta, GA.
- McLoone, B., DiGangi, S., Ohlund, B., & Jannasch-Pennell, A. (1997, November). Knowledge acquisition, collaboration skills and technology use in contrasting instructional environments. Conference of the Teacher Education Division of the Council for Exceptional Children, Savannah, GA.
- Ohlund, B., McLoone, B., DiGangi, S., & Jannasch-Pennell, A. (1997, November). Educators' views on knowledge acquisition of technology: Objectivism to constructivism. Conference of the Teacher Education Division of the Council for Exceptional Children, Savannah, GA.
- Jannasch-Pennell, A., DiGangi, S., Irvine, S., & Ohlund, B. (1997, November). The Eruditio Project: An initiative to provide 430 Arizona educators with on-line internet training. The World Conference of the WWW, Internet, and Intranet, Toronto, Canada.
- DiGangi, S., Jannasch-Pennell, A., Gunn, C., & Ohlund, B. (1997, November). The use of technology within the context of curriculum development and collaboration. Demonstration session at the International Society for Technology in Education, Austin, TX.
- DiGangi, S. A. & Jannasch-Pennell, A. K. (1997, May). Constructing environments for the enhancement of scientific modeling and visualization. A presentation at ASU Investigates: Modeling, Visualization, and Imaging, Tempe, AZ.
- McLoone, B., Jannasch-Pennell, A.K., DiGangi, S. A., & Ohlund, B. J. (1997, June). Controlling your destiny: A study of the impact of learner control on student performance in an on-line learning environment. The World Conference on Educational Multimedia and Hypermedia and World Conference on Educational Telecommunications, Calgary, Canada.
- Jannasch-Pennell, A.K., DiGangi, S. A., McLoone, B., Irvine, S. E., & Ohlund, B. J. (1997, April). The World Wide Web as an interactive and instructionally adaptive learning environment. The 75<sup>th</sup> annual International Council for Exceptional Children Convention, Salt Lake City, Utah.
- Irvine, S. E., Jannasch-Pennell, A. K., and DiGangi, S. A. (1997, March) Internet technology in teacher education: A seminar series. 17<sup>th</sup> Annual meeting of the American Education Research Association Chicago, IL
- DiGangi, S. A., Jannasch-Pennell, A. K., (March 1997) A long, long time ago in a galaxy far, far away... Microcomputers in Education Conference, Tempe, AZ.
- DiGangi, S. A., Jannasch-Pennell, A. K., & Lidtka, T. L. (1996, October). ASPIN: Arizona EarthVision. The College Board National Forum, New York City, NY

- DiGangi, S. A. & Jannasch-Pennell, A. J. (September, 1996). Using the internet as an instructional tool: Applications and examples. Annual Fall Meeting of Arizona Family and Consumer Sciences Education, Phoenix, AZ.
- DiGangi, S. A & Jannasch-Pennell A. K., (July, 1996), Elements of effective technology integration, teaching, learning and technology roundtable. American Association of Higher Education, Tempe, AZ.
- Jannasch-Pennell, A. K., Andrews, S., DiGangi, S. A. (1997, June). Technology and the arts. American Association for Higher Education, Tempe, Arizona.
- Jannasch, A. K., DiGangi, S. A., & McLoone, B. (1996, June) Navigation in a collaborative-consultative, hypermediated, networked-based environment. The Association for the Advancement of Computing in Education Conference, Portland, MA.
- Jannasch-Pennell, A. K., DiGangi, S. A., Irvine, S. E., & Quinn, M. E. (1996, April) Effects of cooperative computer-mediated instruction on internet navigation strategies. The 16<sup>th</sup> Annual meeting of the American Educational Research Association, New York, NY.
- Jannasch-Pennell, A. K., Pukys, K., DiGangi, S. A., Irvine, S. E., & McLoone, B. B. (1996, March) Factors influencing Student Decision Making in a Computer-Mediated Environment. The 74<sup>th</sup> annual International Council for Exceptional Children Convention, Orlando, FL.
- DiGangi, S.A. & Jannasch, A. K. (March, 1996) Intelligent Technology Infusion. Microcomputers in Education Conference, Tempe, AZ.
- DiGangi, S. A. & Jannasch-Pennell, A. K. (February, 1996). Arizona earthvision teams. Arizona State University's Environmental Agenda, Tempe, AZ.
- DiGangi, S.A. & Jannasch-Pennell, A.K (1996,June) Navigation in a collaborative-consultative, hypermediated, networked-based environment. Association for the Advancement of Computing in Education, Charlottesville, VA
- Jannasch, A. K. & DiGangi, S. A. (1995, November). The Impact of instructional grouping & presentation format on internet navigational choices. Annual meeting of the Arizona Educational Research Organization, Sedona, AZ.
- DiGangi, S. A. & Jannasch, A. K. (1995, November). Teacher's validation of student social skills. The Nineteenth Annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Zucker, S. H., DiGangi, S. A., Irvine, S. E., & Jannasch, A. K. (1995, October). Preparing special educators for the future: Integrating technology in teacher preparation. CCBD International Conference on Children and Youth with Behavioral Disorders, Dallas, TX.
- DiGangi, S. A. & Jannasch-Pennell, A. K. (1995, March). Educational connectivity: Beyond the metaphorical information superhighway. Keynote Speakers, Fifteenth Annual Microcomputers in Education Conference, Tempe, AZ..
- Jannasch, A. K. & DiGangi, S. A. (1995, January). Conexiones/Connections: A Technology-based approach to developing literacy in migrant students. The Semi-Annual Meeting of the AEJMC Scholastic Journalism Division, Phoenix, AZ.
- DiGangi, S. A., Irvine, S. E., & Jannasch, A. K. (1994, April). The role of technology in education: A serious case of the emperor's new clothes. The 72<sup>nd</sup> Annual Meeting of the Council for Exceptional Children, Denver, CO.
- DiGangi, S.A., Zucker, S.H., & Irvine, S.E. (1994, November). Technology: A tool for teacher education. Annual conference of the Teacher Education Division of the Council for Exceptional Children, San Diego, CA.

- Cohn, S.J., & DiGangi, S.A., & Irvine, S.E. (1994, November). Using technology to tap intrinsic motivation. The 15th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Irvine, S.E. & DiGangi, S.A. (1994, November). The language of aggression: Applied assessment of symbolic interaction. The 15th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- DiGangi, S.A. (1994, October). Effective integration of technology with education. ASU Investigates the Information Superhighway. Office of Research Publications, Arizona State University. Tempe, AZ.
- Zucker, S.H., DiGangi, S.A., & Irvine, S.E. (1994, October). Preparing special educators for the 21st century. The fourth International Conference on Mental Retardation and Developmental Disabilities, Chicago, Illinois.
- DiGangi, S.A. (1994, April). At-risk students in bilingual and ESL programs: Longitudinal assessment of academic performance. The 72nd annual International Council for Exceptional Children Convention, Denver, CO.
- DiGangi, S.A. (1994, April). The role of computers in education: A serious case of the emperors new clothes. The 72nd annual International Council for Exceptional Children Convention, Denver, CO.
- Irvine, S.E., & DiGangi, S.A. (1994, April). A direct and applied approach to redefining computer literacy with preservice teachers. The 72nd annual International Council for Exceptional Children Convention, Denver, CO.
- DiGangi, S.A., & Lewis, T. (1994, April). Promising trends in assessing academic and social behavior among at-risk students. The 14th Annual meeting of the American Educational Research Association, New Orleans, LA.
- Irvine, S.E., & DiGangi, S.A. (1994, April). Computer-mediated instructional design: A vehicle for enhancing preservice teachers' academic skills. The 14th Annual meeting of the American Educational Research Association, New Orleans, LA.
- Faykus, S.P., DiGangi, S.A., & Irvine, S.E. (1994, April). Impact of an integrated learning system: Analysis of student achievement through traditional and curriculum-based procedures. The 14th Annual meeting of the American Educational Research Association, New Orleans, LA.
- Prieto, A.G., DiGangi, S.A., & Zucker, S.H. (1994, April). Academic performance of students in Bilingual and ESL Programs: A Longitudinal Assessment. The 14th Annual meeting of the American Educational Research Association, New Orleans, LA.
- Irvine, S.E., DiGangi, S.A., & Cohn, S.J. (1994, March). Technology-mediated education: Effective implementation for assessment and instructional decision making. The 26th Annual National Convention of the National Association of School Psychologists, Seattle, WA.
- DiGangi, S.A., Zucker, S.H., & Prieto, A.G. (1994, March). Functional assessment of academic performance in bilingual and ESL programs. The 26th Annual National Convention of the National Association of School Psychologists, Seattle, WA.
- DiGangi, S.A., Cohn, S.J., & Irvine, S.E. (1994, March). Optimizing the educational environment with technology. The 14th Annual Microcomputers in Education Conference. Tempe, AZ.
- DiGangi, S.A., & Irvine, S.E. (1994, March). Computer-based applications in public schools: Research, decision-making, policy and practice. The 14th Annual Microcomputers in Education Conference. Tempe, AZ.
- DiGangi, S. A., & Lewis, T. (1994, February). Intervention strategies for students with behavioral problems. The Oregon Conference. Eugene, OR.

- DiGangi, S.A., Irvine, S.E., & Cohn, S.A. (1994, February). Beyond Reader Rabbit: Effective use of technology in special and remedial education. Annual Conference of the Arizona Federation Council for Exceptional Children, Phoenix, AZ.
- Irvine, S.E., DiGangi, S.A., & McLoone, B.B. (1994, February). Something to use in your classroom: Realistic interventions for academic and social behavior problems. Annual Conference of the Arizona Federation Council for Exceptional Children, Phoenix, AZ.
- DiGangi, S.A. (1993, November). Addressing needs of students and teachers in Arizona via instructional technology. The 17th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- DiGangi, S.A., & Irvine, S.E. (1993, November). Computer-mediated education: A research base for implementation, assessment, and instructional decision-making. The Sixth Annual Conference of the Arizona Educational Research Organization, Tucson, AZ.
- Irvine, S.E., & DiGangi, S.A., (1993, November). Collateral effects of technology: Enhancing pre-service teachers' computer competence while remediating basic skill deficits. The Sixth Annual Conference of the Arizona Educational Research Organization, Tucson, AZ.
- Cohn, S.J., & DiGangi, S.A. (1993, October). Assessing minority students through non-traditional methods. Arizona Association for the Gifted and Talented. Flagstaff, AZ.
- DiGangi, S.A., Faykus, S.P., Loenen, R.V., Jaeb, B., Irvine, S.E. (1993, April). Optimizing student performance and progress: Descrying effective components of computer-based instruction. The 13th Annual meeting of the American Educational Research Association, Atlanta, GA.
- DiGangi, S.A. (1993, April). Contrasts in academic performance: ESL and bilingual programs. The 71st annual International Council for Exceptional Children Convention, San Antonio, TX.
- Prieto, A.G., DiGangi, S.A., & Morehead, M.K. (1993, April). A comparison of academic achievement between students in English as a Second Language and Bilingual programs. The 71st Annual International Council for Exceptional Children Convention, San Antonio, TX.
- DiGangi, S.A., Irvine, S.E., Hammond, D., Winborne, C., Chipman, J., & Feldman, P. (1993, March). Computer-based applications in public schools: Research, decision-making, policy, and practice. The 13th annual microcomputers in education conference, Tempe, AZ.
- Cohn, S.J., & DiGangi, S.A. (1993, March). Conexiones/connections: Computer networking migrant education. The 13th annual microcomputers in education conference, Tempe, AZ.
- Lewis, T., DiGangi, S.A. (1993, February). Developing school-wide social skill programs. The Oregon conference: A community of ideas, Eugene, OR.
- DiGangi, S.A., Rutherford, R.B. (1993, January). Effective and efficient use of assessment data in correctional education. Bridging professional perspectives: The third annual national conference on educating adjudicated, incarcerated, and at-risk youth conference, Palm Springs, CA.
- DiGangi, S. A., Rutherford, R. B., Zucker, S. H., Perryman, P., & Faykus, S. P. (1993, January). Effective and efficient use of assessment data in correctional education.
- DiGangi, S.A., & Lewis, T. (1992, November). Designing effective social skills programs. The 16th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Zucker, S. H., DiGangi, S. A., Prieto, A. G., Faykus, S. P., & Irvine, S. E. (1992, November). Learning disability placement of incarcerated juveniles: Age versus grade standard scores. The 16th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.

- DiGangi, S. A., Irvine, S. E., Faykus, S. P., Hammond, D., Winborn, C., Feldman, P., Van Loenen, R., Jaeb, B., Chipman, J., & Bates, S. (1992, November). Computer-based applications in education: Research, policy, and practice. The Fifth Annual Conference of the Arizona Educational Research Organization, Flagstaff, AZ.
- Cohn, S. J., Satterthwaite, L. L., DiGangi, S. A., & Hoeffel, M. (1992, November). Infusing academic content into vocational educational curriculum: A university—public school partnership. The Fifth Annual Conference of the Arizona Educational Research Organization, Flagstaff, AZ.
- Hammond, D. G., Prieto, A. G., Zucker, S. H., & DiGangi, S. A. (1992, November). Student academic performance in bilingual and ESL programs, Topical conference on culturally and linguistically diverse exceptional children, Minneapolis, MN.
- Faykus, S. P., McCollum-Gahley, J., Irvine, S. E., & DiGangi, S. A. (1992, August). Effects of differential mediation and student ability on task-acquisition. The 1992 Annual Convention of the American Psychological Association, Washington, DC.
- DiGangi, S.A., Zucker, S. H., Prieto, A. G., Faykus, S. P., Irvine, S. E. (1992, October). Special education eligibility of incarcerated juveniles. The National Adolescent Conference: Programming for Adolescents with Behavioral Disorders VI, Reno, NV.
- DiGangi, S.A., Faykus, S.P., Jaeb, B., Hammond, D., & Rutherford, R.B. (1992, May). The effect of applied behavioral analysis training on teachers' assessment of change in student behavior. Annual Convention of the Association for Behavior Analysis, San Francisco, CA.
- DiGangi, S.A. (1992, April). Assessment of teacher decision-making: Implications for behavioral programming. The 70th annual International Council for Exceptional Children Convention, Baltimore, MD.
- Faykus, S.P., Herlache, L.R., & DiGangi, S.A. (1992, March). Enhancing social problem-solving: Assessment of a school-wide conflict resolution training program. The 24rd annual Convention of the National Association of School Psychologists, Nashville, TN.
- DiGangi, S.A. (1992, January). Assessing academic performance. Third International Council for Exceptional Children Division of Mental Retardation and Eight Annual Pacific Rim Combined Conference, Honolulu, HI.
- DiGangi, S.A., Faykus, S.P., Zucker, S.H., Rutherford, R.B., & Howell, K.W. (1992, January). A system-wide assessment of academic and social-behavioral characteristics of incarcerated youth. Bridging professional perspectives: Educating adjudicated, incarcerated, and at-risk youth conference, Palm Springs, CA.
- DiGangi, S. A., Faykus, S. P., Chipman, J. L., & Rutherford, R. B. (1991, November). Effects of applied behavior analysis training on teacher decision-making. 25th Annual Conference of the Association for Advancement of Behavior Therapy, New York City, NY.
- DiGangi, S.A., Zucker, S.H., Rutherford, R.B., & Perryman, P. (1991, November). Behavioral, social, personality, and academic characteristics of incarcerated juvenile offenders. The 15th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- DiGangi, S.A., & Rutherford, R.B. (1991, November). Teaching students with behavioral disorders: Myths and facts. The 15th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Faykus, S. P., Herlache, L. R., Jaeb, B. M., & DiGangi, S. A. (1991, November). Enhancing student social interactions: Effects of a Conflict Managers training program. The 15th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.

- DiGangi, S. A., Faykus, S. P., Chipman, J. L., & Howell, K. (1991, October). Instructional sensitivity of curriculum-based assessment: Investigating reading comprehension measures. Annual Conference of the Arizona Educational Research Organization, Flagstaff, AZ.
- DiGangi, S. A., Faykus, S. P., Powell, J. H., Wallin, M. B., & Berliner, D. C. (1991, August). Novice and experienced teachers' decisions about grading. Annual Convention of the American Psychological Association, San Francisco, CA.
- DiGangi, S. A., Faykus, S. P., & Rutherford, R. B. (1991, August). Applied behavior analysis training and teacher decision-making. Annual Convention of the American Psychological Association, San Francisco, CA.
- Faykus, S. P., & DiGangi, S. A. (1991, August). Effects of instruction, familiarity, and complexity on children's graphic interpretation. Annual Convention of the American Psychological Association, San Francisco, CA.
- DiGangi, S. A., Rutherford, R. B., Chipman, J. C., Faykus, S. A., & Howell, K. A. (1991, April). Self-management skills: Classroom applications. The 69th annual International Council for Exceptional Children Convention, Atlanta, GA.
- Rutherford, R. B., & DiGangi, S. A. (1991, April). Students with behavioral disorders: Some myths and a few facts. The 69th annual International Council for Exceptional Children Convention, Atlanta, GA.
- Faykus, S. P., DiGangi, S. A., & Berliner, D. C. (1991, March). Grade retention continues: Decisions of school psychologists and classroom teachers. The 23rd annual Convention of the National Association of School Psychologists, Dallas, TX.
- Howell, K. W., & DiGangi, S. A. (1991, November). Functional assessment in the juvenile justice system. Council for Exceptional Children Topical Conference: Children on the Edge, New Orleans, LA.
- DiGangi, S. A., Faykus, S. P., Powell, J. H., Wallin, M. B., & Berliner, D. C. (1991, August). Novice and experienced teachers' decisions about grading. Annual Convention of the American Psychological Association, San Francisco, CA.
- Howell, K. W., & DiGangi, S. A. (1991, November). Functional assessment in the juvenile justice system. Council for Exceptional Children Topical Conference: Children on the Edge, New Orleans, LA.
- DiGangi, S. A., Faykus, S. P., Powell, J. H., Wallin, M. B., & Berliner, D. C. (1991, August). Novice and experienced teachers' decisions about grading. Annual Convention of the American Psychological Association, San Francisco, CA.
- DiGangi, S. A., Faykus, S. P., & Rutherford, R. B. (1991, August). Applied behavior analysis training and teacher decision-making. Annual Convention of the American Psychological Association, San Francisco, CA.
- Faykus, S. P., & DiGangi, S. A. (1991, August). Effects of instruction, familiarity, and complexity on children's graphic interpretation. Annual Convention of the American Psychological Association, San Francisco, CA.
- DiGangi, S. A., Rutherford, R. B., Chipman, J. C., Faykus, S. A., & Howell, K. A. (1991, April). Self-management skills: Classroom applications. The 69th annual International Council for Exceptional Children Convention, Atlanta, GA.
- Rutherford, R. B., & DiGangi, S. A. (1991, April). Students with behavioral disorders: Some myths and a few facts. The 69th annual International Council for Exceptional Children Convention, Atlanta, GA.

- Faykus, S. P., DiGangi, S. A., & Berliner, D. C. (1991, March). Grade retention continues: Decisions of school psychologists and classroom teachers. The 23rd annual Convention of the National Association of School Psychologists, Dallas, TX.
- Lewis, T., DiGangi, S. A. (1991, February). Teaching students to self-manage. The Oregon Conference. Eugene, OR.
- DiGangi, S. A., Perryman, P., & Rutherford, R. B. Jr. (1990, January). Assessment of academic and social outcomes in correctional/special education. Bridging professional perspectives: Educating adjudicated, incarcerated, and at-risk youth conference, Palm Springs, CA.
- DiGangi, S. A., & Spencer, D. A. (1990, January). Defining "at-risk": The return of juvenile offenders to the public schools. Bridging professional perspectives: Educating adjudicated, incarcerated, and at-risk youth conference, Palm Springs, CA.
- DiGangi, S. A., Faykus, S. P., & Howell, K. W. (1990, November). Curriculum-based and traditional assessment: An examination of instructional sensitivity. Annual Conference of the Arizona Educational Research Association and Rocky Mountain Research Association, Tempe, AZ.
- DiGangi, S. A., & Spencer, D. A. (1990, November). Development of a safe environment for teachers and students in a volatile inner city neighborhood. Annual Conference of the Arizona Educational Research Association and Rocky Mountain Research Association, Tempe, AZ.
- DiGangi, S. A. (1990, November). Self-monitoring of academic and behavioral performance. The 14th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Faykus, S. P., DiGangi, S. A., & Berliner, D. C. (1990, November). Teachers' repertoire of alternative behavioral interventions: Examining the decision-making process across level of experience and expertise. The 14th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- DiGangi, S. A., Anderson, K. A., & Rutherford, R. B. (1990, October). Enhancing academic performance of students with behavioral problems: Effective applications of self-monitoring procedures. National Adolescent Conference: Programming for Adolescents with Behavioral Disorders V, Miami, FL.
- Faykus, S. P., DiGangi, S. A., & Berliner, D. C. (1990, October). Teachers' selection of intervention strategies for adolescents with behavioral problems: Similarities and differences across level of expertise. National Adolescent Conference: Programming for Adolescents with Behavioral Disorders V, Miami, FL.
- Rutherford, R. B., DiGangi, S. A., & Lewis, T. (1990, October). Behavioral analysis of delinquency: Alterable vs unalterable variables. National Adolescent Conference: Programming for Adolescents with Behavioral Disorders V, Miami, FL.
- Spencer, D. A., DiGangi, & Berliner, D. C. (1990, October). Adolescents at-risk: student and teacher perceptions' of safety on a high school campus. National Adolescent Conference: Programming for Adolescents with Behavioral Disorders V, Miami, FL.
- Rutherford, R. B., Nelson, C. M., & DiGangi, S. A. (1990, July). Issues in correctional special education. Correctional Education Association National Conference, Vancouver, BC.
- DiGangi, S. A., Faykus, S. P., & Berliner, D. C. (1990, June). An exploratory analysis of pedagogical knowledge and teacher decision-making. The Annual Meeting of the American Psychological Society, Dallas, TX.
- DiGangi, S. A. (1990, April). Tail-length judgments for multiframe boxplot displays. The Annual Meeting of the American Educational Research Association, Boston, MA.

- Cohn, S. A., & DiGangi, S. A. (1990, April). Using exploratory data analysis to evaluate methods of identifying the gifted. The Annual Meeting of the American Educational Research Association, Boston, MA.
- DiGangi, S. A., Faykus, S. P., & Berliner, D. C. (1990, April). An analysis of expert and novice teacher decision making in referral for special education. The Annual Meeting of the American Educational Research Association, Boston, MA.
- Faykus, S. P., DiGangi, S. A., & Berliner, D. C. (1990, April). Grade retention: Decision analysis of expert/novice psychologists and teachers. The 22nd Annual National Association of School Psychologists Convention, San Francisco, CA.
- Maag, J. W., DiGangi, S. A., & Rutherford, R. B. (1990, April). Component analysis of social skill training. The Annual International Council for Exceptional Children Convention, Toronto, ON.
- DiGangi, S.A. (1989, February). Facilitating behavioral interventions: Making data-based decisions in the classroom. The annual meeting of the Arizona Federation of the Council for Exceptional Children, Mesa, AZ.
- Lewis, T., DiGangi, S. A., & Sugai, G. (1989, February). Techniques to facilitate behavioral programming decisions. The Oregon Conference. Eugene, OR.
- DiGangi, S. A., Rutherford, R. B., & Maag, J. W. (1989, November). Self-management as a strategy for increasing the academic and social behaviors of behaviorally disordered students. The 13th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Faykus, S. P., DiGangi, S. A., & Berliner, D. C. (1989, November). The role of teacher cognition in the identification of students with behavioral disorders. The 13th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- Perryman, P., DiGangi, S. A., & Rutherford, R. B. (1989, November). Longitudinal analysis of handicapped and nonhandicapped juvenile offenders. The 13th annual National Teacher Educators of Children with Behavioral Disorders Conference, Tempe, AZ.
- DiGangi, S. A., & Rutherford, R. B. (1989, November). Provision of services in correctional/special education. Handicapped Juvenile Offender Conference, Pittsburgh, PA.
- Perryman, P., DiGangi, S. A., & Rutherford, R. B. (1989, November). Recidivism among juvenile handicapped populations: An exploratory examination. Handicapped Juvenile Offender Conference, Pittsburgh, PA.
- Maag, J. W., DiGangi, S. A., & Rutherford, R. B. (1989, September). Validation of self-report methodology for assessing students' social skills. Council for Exceptional Children/Council for Children with Behavioral Disorders Topical Conference on Behavioral Disorders, Charlotte, NC.
- Behrens, J.T., DiGangi, S. A., & Stock, W. A. (1989, August). Optimal display characteristics of box-plots and other displays. The Annual Meeting of the American Statistical Association, Washington, D.C.
- Howell, K. W., & DiGangi, S. A. (1989, April). Instructional sensitivity to commonly used computation measures. The Annual International Council for Exceptional Children Convention, San Francisco, CA.
- Maag, J. W., DiGangi, S. A., & Rutherford, R. B. (1989, April) Social skills training strategies with exceptional children. The Annual International Council for Exceptional Children Convention, San Francisco, CA.
- McCollum-Gahley, J., & DiGangi, S. A. (1988, March). Increasing engaged time in community-based interventions. The Sixth Annual Conference on Persons With Severe Handicaps, Phoenix, AZ.

DiGangi, S. A., Behrens, J. T., Maag, J. W. (1988, November). Psychometric properties of the Automatic Thoughts Questionnaire in special populations. The 12th annual National Teacher Educators of Children With Behavioral Disorders Conference, Tempe, AZ.

Maag, J. W., DiGangi, S. A., & Rutherford, R. B. (1988, November). Self-instruction training to promote generalization of social skill effects. The 12th annual National Teacher Educators of Children With Behavioral Disorders Conference, Tempe, AZ.

### **Funded Projects:**

Co-Principal Investigator. *Infusing Academic Content into Vocational Education Curriculum. Project Fusion: Evaluation, Year 2*. Perkins. Metrotech Vocational Institute of Phoenix. \$21,158.

Co-Principal Investigator. *Conexiones/Connections*. Arizona Department of Education, Migrant Children Education Program. \$93,000.

### **Other Professional Activities:**

Guest Reviewer: Behavioral Disorders  
Education and Treatment of Children  
Education and Training in Mental Retardation  
Exceptional Children  
Educational Researcher

### **Committees:**

#### **Faculty Development and Search Committee**

Reader, Field Initiated Grant Program. Office of Special Education Research Services, Department of Education, Washington, DC.

Co-Editor, Special Education Researcher, Newsletter of the Special Education SIG: American Educational Research Organization (1991-1994).

Reviewer, Current Issues in Education, an interactive scholarly journal from Arizona State University and the College of Education.

### **Honors and Awards:**

Student Affairs Collaboration with Faculty Award: Office of the Vice President for Student Affairs, Arizona State University  
Distinguished Doctoral Graduate, College of Education, 1990  
Chair: College of Education Graduate Student Advisory Council

### **Professional Affiliations:**

American Educational Research Association  
Arizona Educational Research Organization  
American Psychological Association  
American Psychological Society  
Council for Exceptional Children  
Delegate to the National Assembly, 1991  
Council for Children With Behavioral Disorders  
President, Arizona Chapter 1989-93  
Editor, State Subdivision Newsletter  
Division for Learning Disabilities  
Division for Research  
Teacher Education Division

Teacher Educators of Children with Behavioral Disorders  
National Vice-President 1990-1991  
President 1991-1992

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