

VITA

DEBRA R. SPRAGUE

Office

MSN 4B3
College of Education and Human Development
George Mason University
Fairfax, Virginia 22030
(703)993-2069
Email: dspragul@gmu.edu

DEGREES and PROFESSIONAL QUALIFICATIONS

PhD., CIMTE Department, University of New Mexico, Albuquerque, New Mexico, 1995
Concentration: Technology Integration in Teacher Education, G.P.A. 3.91

M.A., CIMTE Department, University of New Mexico, Albuquerque, New Mexico, 1991
Concentration: Elementary Education with Emphasis in Computers, G.P.A. 3.9

B.S., Special Education Department, Buffalo State College, Buffalo, New York, 1984
Concentration: Special Education/Elementary Education, G.P.A. 3.0

EXPERIENCE

August 2001 through Present Associate Professor, College of Education and Human Development, George Mason University, Fairfax, Virginia

August 1995 through August 2001 Assistant Professor, Graduate School of Education, George Mason University, Fairfax, Virginia.

August 1992 through July 1995 Graduate Assistant, College of Education, University of New Mexico, Albuquerque, New Mexico

August 1992 through July 1995 Computer Lab Technologist, College of Education Microcomputer Labs, University of New Mexico, Albuquerque, New Mexico.

August 1991 through June 1992 Early Childhood Case Manager, Eastern Navajo Agency, Crownpoint, New Mexico.

January 1991 through May 1991 Computer Instructor, Navajo Community College, Tsaile, Arizona.

August 1990 through June 1991 Computer Teacher, Torreon Day School, Cuba, New Mexico.

August 1984 through June 1990 Special Education Teacher, Torreon Day School, Cuba, New Mexico.

LEADERSHIP POSITIONS

May 2017 through May 2018 Past Chair of the TACTL SIG for the American Education Research Association (AERA)

May 2016 through May 2017 Chair of the TACTL SIG for the American Education Research Association (AERA)

May 2015 through May 2016 Vice Chair of the TACTL SIG for the American Education Research Association (AERA)

May 2014 through May 2015 Program Chair of the TACTL SIG for the American Education Research Association (AERA)

May 2013 through May 2014 Secretary/Treasurer of the TACTL SIG for the American Education Research Association (AERA)

March 2013 through March 2014 Chair of the Gaming and Simulation SIG for the Society for Information Technology and Teacher Education (SITE).

August 2008 International Consultant for the Ministry of Education, Egypt. Assisted with the development of an accreditation process for the Education Technology Specialist degree.

May 2007 through August 2009 Membership Chair, Applied Research in Virtual Environments for Learning, Special Interest Group (SIG) for American Education Research Association (AERA)

March 2005 through March 2012 Executive Council, Society for Information Technology & Teacher Education (SITE)

March 2002 through March 2005 Vice-President of Research and Scholarship, Society for Information Technology & Teacher Education (SITE)

September 2001 through March 2012 Editor of the *Journal of Technology and Teacher Education*.

PUBLICATIONS in REFEREED JOURNALS

- Groth, L., Parker, A., Parsons, S. A., **Sprague, D.**, Brown, E. L., Baker, C., & Suh, J. (2017). George Mason University's Elementary PDS program: Embracing innovation. *School-University Partnerships*, 10(1), 3-5.
- Sprague, D.** & Pixley, C. (2008). Podcasts in the classroom: Let their voices be heard. *Computers in the Schools*, 25(3-4), 226-234.
- Clark, K., Jamison, T., & **Sprague, D.** (2005). Digital study groups: Online learning communities in middle school. *Journal of Interactive Online Learning* [Online serial], 3(4). Available online at <http://www.ncolr.org/jiol/issues/2005/spring/toc.asp>
- Sprague, D.** (2004). Technology and teacher education: Are we talking to ourselves? *Contemporary Issues in Technology and Teacher Education* [Online serial], 3(4). Available online at <http://www.citejournal.org/vol3/iss4/editorial/article1.cfm> (Invited)
- Sprague, D.** (2004). EDCI 557: Integrating technology in the elementary curriculum. *Contemporary Issues in Technology and Teacher Education* [Online serial], 3(4). Available: <http://www.citejournal.org/vol3/iss4/general/article5.cfm>
- Norton, P. & **Sprague, D.** (2002). Timber lane technology tales: A design experiment in alternative field experiences for preservice candidates. *The Journal of Computing in Teacher Education*, 19(2), 40-46, 60.
- Bull, G., **Sprague, D.**, & Bell, L (2002). Establishing a technology and teacher education digital scholarship portal, *Contemporary Issues in Technology and Teacher Education* [Online Serial], 1(4). Available online at <http://www.citejournal.org/vol1/iss4/frontpages/toc.html>
- Sprague, D.** (2002, Winter). Using webcasts to model technology integration, *VSTE Journal*, 16(2), 39-45. Available online at <http://www.vste.org/communication/journal/index.html>
- Bordeaux, A., **Sprague, D.**, Pullen, M., & Sterling, D. (1998). Taming the electronic frontier: A distance education course for defense dependents school teachers, *The Journal of Computing in Teacher Education*, 14(3), 12-16.
- Sprague, D.**, Kopfman, K., & Dorsey, S. (1998). Faculty development in the integration of technology in teacher education courses, *The Journal of Computing in Teacher Education*, 14(2), 24-28. Reprinted in *Annual Editions Computers in Education 00/01* (2000).
- Norton, P. & **Sprague, D.** (1997). On-line collaborative lesson planning: An experiment in teacher education, *Journal of Technology and Teacher Education*, 5(2/3), 149-162. Chesapeake, VA: AACE. (Reprinted from SITE Conference Proceedings).

Norton, P. & **Sprague, D.** (1996). Changing teachers - teachers changing schools: Assessing a graduate program in technology education, *Journal of Information Technology for Teacher Education*, 5(1/2), 93-105.

PUBLICATIONS in NON-REFEREED JOURNALS

Sprague, D. (2017). The future of technology: Personalized learning. *InterEd*, 44(123), 10-11.
Available online at
http://www.aaie.org/uploaded/publications/InterEd/InterED_2017/Spring_2017_InterED_Vol_44_No_123.pdf

Sprague, D. (2012). Use fan fiction with elementary students. *Learning and Leading with Technology*, 39(7), 28-29.

Sprague, D. (2006). Technology in education. *Grolier Online Multimedia Encyclopedia*.
<http://auth.grolier.com/cgi-bin/authV2?bffs=N>

Sprague, D. & Dede, C. (1999, September). Constructivism in the classroom: If I teach this way am I doing my job? *Learning and Leading With Technology*, 27(1), 6-9, 16-17.

Sprague, D. (1996, May). Virtual reality and precollege education: Where are we today? *Learning and Leading with Technology*, 23(8), 10-12.

BOOKS

Norton, P. & **Sprague, D.** (2001). *Technology for Teaching*. Needham Heights, MA.: Allyn and Bacon.

BOOK CHAPTERS

Zurawski Watkins, L., **Sprague, D.**, Porter, A. & Williams, K. (2018). Evaluating university facilitators' perceptions of video as an observational tool. In L.Ping & D. Gibson (Eds.). *Research Highlights in Technology and Teacher Education 2018*. SITE. (Refereed)

Parsons, S. A., Groth, L. A., Parker, A. K., Brown, E. L., Sell, C., & **Sprague, D.** (2017). Elementary teacher preparation at George Mason University: Evolution of our program. In R. Flessner, & D. Lecklider (Eds.), *Case studies of clinical preparation in teacher education*. Lanham, MD: Rowman & Littlefield.

Suh, J., **Sprague, D.**, & Baker, C. (2016). Transforming mathematics teacher knowledge in the digital age through iterative design of course-based projects. In M. Neiss, S. Driskell, & K.

Hollebrands (Eds.), *Handbook of Research on Transforming Mathematics Teacher Education in the Digital Age*. Hershey, PA: IGI Global.

Sprague, D. & Katradis, M. (2015). The transference between elementary preservice teachers' courses and technology use in education. In M. Neiss & H. Gillow-Wiles (Eds.), *Handbook of Research on Teacher Education in the Digital Age*. Hershey, PA: IGI Global, 108-134.

Sprague, D. & Shaklee, B. (2015). Differentiating through technology for gifted students. In Lennex & Nettleton (Eds.) *Cases on Instructional Technology in Gifted and Talented Education*. Hershey, PA: IGI Global, 269-286.

Brown, E. L., **Sprague, D.**, Leith, K., Ross, J., Byun, E., & Wood, H. (2013). Challenging bias: How the PDS model can support collaboration and reflective practice to shift stakeholders' social justice perspectives. In K. Zenkov, D. G. Corrigan, R. S. Beebe, & C. R. Sell (Eds.) *Professional Development Schools and Social Justice: Schools and Universities Partnering to Make a Difference*, 171-190.

Sprague, D., Kitsantas, A., Shaklee, B., & Katradis, M. (2012). Examining the Impact of the Professional Development Model for International Educators on Greek Teachers. In C. D. Maddux & D. Gibson (Eds.). *Research Highlights in Technology and Teacher Education 2012*. SITE. (Refereed)

Sprague, D. (2012). Expanding horizons through technology for teachers and students. In B. Shaklee & S. Bailey (Ed.) *Internationalizing US Teacher Education*. Lanham, Maryland: Rowman & Littlefield Publishers.

Sprague, D., Cooper, J., & Pixley, C. (2010). High touch mentoring: Evaluating the impact of a PT3 project. Book chapter in W. Heinecke & P. Adamy (Ed.) *Evaluating technology in teacher education: Lessons from the Preparing Tomorrow's Teachers for Technology (PT3) Program*. Charlotte, NC: Information Age Publishing, 39-63.

Kayler, M., **Sprague, D.**, & Dede, C. (2009). Online gaming: Building bridges that enhance cultural understandings. In C. Vrasidas & G. Glass, G. (Eds.) *ICT for Education, Development and Social Justice*. Charlotte, NC: Information Age Publishing, 183-200.

Sprague, D. & Pierson, M. (2008). Summing up research on technology and student learning in the content areas: Commonalities and recommendations for teacher education. In L. Bell, L. Schrum, & A. Thompson (Eds.) *Framing Research on Technology and Student Learning in the Content Areas: Implications for Educators*. Charlotte, NC: Information Age Publishing, 159-171.

Zamon, M. & **Sprague, D.** (2008). Assessing the learning potential of e-portfolio through thinking sheets. In D. Cambridge, B. Cambridge, & K. Yancey (Eds.) *Electronic Portfolios 2.0: Emergent Findings and Shared Questions*. Sterling, VA: Stylus Publishing, 175-180.

Schaff, J., Jerome, M. K., Behrmann, M. & **Sprague, D.** (2005). Science in special education: Emerging technologies. In D. Edyburn, K. Higgins, & R. Boone (Eds.) *Handbook of Special Education Technology Research and Practice*. Whitefish Bay, WI: Knowledge by Design, 643-661.

Sprague, D. & Behrmann, M. (2001). Zoning in on physics: Creating virtual reality environments to aide students with learning disabilities. In M. Mastropieri & T. Scruggs (Eds.) *Advances in Learning and Behavioral Disabilities: Technological Applications (Vol. 15)*, 17-38.

Dede, C., Salzman, M., Loftin, R.B., & **Sprague, D.** (1999). Multisensory immersion as a modeling environment for learning complex scientific concepts. In N. Roberts & W. Fuerzeig (Eds.) *Modeling and Simulation in Science and Mathematics Education*, 282-319.

EDITORIALS

Bull, G., Maddox, C., Marks, G., McAnear, A., Schmidt, D., Schrum, L., Smaldino, S., Spector, M., **Sprague, D.**, & Thompson, A. (2010, Summer). Editorial: Educational implications of the digital fabrication revolution. *Journal of Research on Technology in Education*, 42(4), 331-338.

Ferdig, R. **Sprague, D.**, Maddux, C. & Albion, P. (2007). Editorial: Publishing data evidence to support educational technology claims. *Journal of Technology and Teacher Education*. 15 (4), pp. 429-437. Chesapeake, VA: AACE.

Sprague, D., Maddux, C., Ferdig, R., & Albion, P. (2007). Editorial: Online education: Issues and research questions. *Journal of Technology and Teacher Education*, 15(2), 157-166. Chesapeake, VA: AACE.

Schrum, L., Thompson, A., Maddux, C., **Sprague, D.**, Bull, G., & Bell, L. (2007). Editorial: Research on the effectiveness of technology in schools: The roles of pedagogy and content *Contemporary Issues in Technology and Teacher Education* [Online serial], 7(1). Available: <http://www.citejournal.org/vol7/iss1/editorial/article1.cfm>

Sprague, D. (2006). Editorial: Research agenda for online teacher professional development. *Journal of Technology and Teacher Education*, 14(4), 657-661. Chesapeake, VA: AACE.

Sprague, D. (2006). Editorial: Defining education research: Continuing the conversation. *Journal of Technology and Teacher Education*, 14(3), i-viii. Chesapeake, VA: AACE. (Republished). *Contemporary Issues in Technology and Teacher Education* [Online serial], 6(2). Available: <http://www.citejournal.org/vol6/iss1/editorial/article1.cfm>

Bull, G., Bell, L., Thompson, A., Schrum, L., **Sprague, D.**, & Maddux, C. (2006). An invitation to join an early career mentoring network. *Contemporary Issues in Technology and Teacher*

Education [Online serial], 6(1). Available:
<http://www.citejournal.org/vol6/iss1/editorial/article1.cfm> (Republished). *Journal of Technology and Teacher Education*, 14(4), 817-828. Chesapeake, VA: AACE.

Schrum, L., Thompson, A., **Sprague, D.**, Maddux, C., McAnear, A., Bell, L., & Bull, G. (2005). Advancing the field: Considering acceptable evidence in educational technology research. *Contemporary Issues in Technology and Teacher Education* [Online serial], 5(3/4). Available: <http://www.citejournal.org/vol5/iss3/editorial/article1.cfm>

Sprague, D., Bull, G., & Bell, L. (2001). Editorial: Academic communities and the nature of academic discourse. *Journal of Technology and Teacher Education*, 9(4), v-x. Chesapeake, VA: AACE.

BOOK REVIEWS

Sprague, D. & Zurawski, L. (2017). Book Review of Baker-Doyle's *Transformative Teachers: Teacher Leadership and Learning in a Connected World*. *TCRecord*, <http://www.tcrecord.org/Content.asp?ContentId=22189>

Sprague, D. (2007). Book Review of Dede's *Online Professional Development for Teachers: Emerging Models and Methods*. *Journal of Technology and Teacher Education*. 15 (1), pp. 145-149. Chesapeake, VA: AACE.

Sprague, D. (2006). Book review of Goldstein, Buckingham, and Brougere's *Toys, Games, and Media*. *TCRecord*, <http://www.tcrecord.org/content.asp?contentid=12512>

Sprague, D. (1996, May). Book review of Tiffin and Rajasingham's *In Search of the Virtual Class: Education in an Information Society*. *The Information Society*, 12, p. 451-452.

CONFERENCE PROCEEDINGS

Foulger, T.S., Shah, M., Graziano, K.J., Schmidt-Crawford, D.A., Slykhuis, D.A., Mehta, R., Lyublinskaya, I. & **Sprague, D.** (2018). Multiple perspectives on strengthening the ability of teacher education programs to prepare teacher candidates to integrate technology. In E. Langran & J. Borup (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 2041-2046). Washington, D.C., United States: Association for the Advancement of Computing in Education (AACE). Retrieved from <https://www.learntechlib.org/primary/p/182809/>.

Opfer, T. & **Sprague, D.** (2018). Teacher participation in online professional development: Exploring academic year classroom impacts. In E. Langran & J. Borup (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 551-557). Washington, D.C., United States: Association

for the Advancement of Computing in Education (AACE). Retrieved from <https://www.learntechlib.org/primary/p/182580/>.

Zurawski, L., **Sprague, D.**, Porter, A. & Williams, K. (2018). Evaluating university facilitators' perceptions of video as an observational tool. In E. Langran & J. Borup (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 600-606). Washington, D.C., United States: Association for the Advancement of Computing in Education (AACE). Retrieved from <https://www.learntechlib.org/primary/p/182589/>.

Sprague, D. & DiPietro, J. (2015). Unpacking a University Design Partnership: From Course Creation to Evaluation. *Proceedings for Online Learning Consortium Conference*, Orlando, FL.

Sprague, D., Groundwater, S., Opfer, T., Shultz, R. & St. Pierre, T. (2015). Expanding PhD students' knowledge-base: Skyping with the experts. In D. Slykhuis & G. Marks (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2015* (pp. 1062-1068). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE). Retrieved from <http://www.editlib.org/p/150136>.

Sprague, D., Parsons, S. & Swalwell, K. (2013). The evolution of the preservice technology course: Lessons learned. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 1049-1053). Chesapeake, VA: AACE. Retrieved from <http://www.editlib.org/p/48257>.

Sprague, D.R., Pierczynski, M. & Wills, T. (2013). Examining doctoral students' formal and informal technology education. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 1435-1440). Chesapeake, VA: AACE. Retrieved from.

Sprague, D.R., Kitsantas, A., Shaklee, B. & Katradis, M. (2012). Examining the long term effects of the professional development for international educators model. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 2399-2405). Chesapeake, VA: AACE.

Kayler, M. & **Sprague, D.** (2012). Practicing teachers' technology integration: Projects that mattered. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 1373-1380). Chesapeake, VA: AACE.

Kitsantas, K., **Sprague, D.**, & Shaklee, B. (2011). Exploring the impact of a professional development model on teacher efficacy toward technology integration. In N. Pyrini (Ed.) *Readings in Technology Proceedings of ICICTE 2011*. Rhodes, Greece

Sprague, D., Albion, P., Ferdig, R., Maddux, C. & Leins, J. (2011). Publishing in the Journal of Technology and Teacher Education (JTATE). In M. Koehler & P. Mishra (Eds.),

Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 1680-1684). Chesapeake, VA: AACE.

Sprague, D.R. & Kayler, M. (2011). Fear, apprehension, stereotypes, oh, my! Exploring teachers' reactions to virtual gaming. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 2248-2253). Chesapeake, VA: AACE.

Sprague, D.R., Kitsantas, A., Shaklee, B., Katradis, M., Turner, J. & Weinberg, A. (2011). Examining the effectiveness of a professional development for international educators model. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 2730-2735). Chesapeake, VA: AACE.

Kayler, M., **Sprague, D.** & Dede, C. (2008). Online gaming: Processes, structures and cultural understandings. In J. Luca & E. Weippl (Eds.), *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2008* (pp. 1067-1074). Chesapeake, VA: AACE.

Sprague, D. (2006). Editorial: Defining education research: Continuing the conversation. *Proceedings, Society for Information Technology & Teacher Education, SITE2006 Conference*, Orlando, Florida (Invited Publication).

Alotaiby, F.T., Chen, J.X., Wegman, E.J., Wechsler, H., & **Sprague, D.** (2005) Adaptive web-based learning system. *Proceedings - 12th IEEE International Conference and Workshops on the Engineering of Computer-Based Systems, ECS 2005*, pp. 423-430.

Sprague, D. (2005). River City: A Multi-User Virtual Environment Experiential Simulator. *Proceedings, Society for Information Technology & Teacher Education, SITE2005 Conference*, Phoenix, Arizona.

Alotaiby, F.T., Chen, J.X., Wegman, E.J., Wechsler, H., & **Sprague, D.** (2004). Teacher-driven: Web-based learning system. *SIGITE 2004 Conference*, pp. 284

Sprague, D. & Cooper, J. (2003). Modeling technology integration through webcasts: A PT3 project. *Proceedings, Society for Information Technology & Teacher Education, SITE2003 Conference*, Albuquerque, New Mexico.

White, C. S. & **Sprague, D.** (2002). Assessing mentoring teachers' technology proficiency: What do they have to say? *Proceedings, Society for Information Technology & Teacher Education, SITE2002 Conference*, Nashville, Tennessee.

Sprague, D. & White, C.S. (2002). Exploring the effectiveness of two models of technology integration. *Proceedings, Society for Information Technology & Teacher Education, SITE2002 Conference*, Nashville, Tennessee.

- Sprague, D.,** Cooper, J., & Milman, N. (2002). High tech mentoring: Assessing the effectiveness of a PT3 project. *Proceedings, Society for Information Technology & Teacher Education, SITE2002 Conference, Nashville, Tennessee.*
- Sprague, D. & White, C. S.** (2001). High touch mentoring for high tech integration, *Proceedings, Society for Information Technology & Teacher Education, SITE2001, Orlando, Florida.*
- White, C. S. & **Sprague, D.** (2001). Collaboration and integration: Technology in a preservice elementary education foundations course. *Proceedings, Society for Information Technology & Teacher Education, SITE2001, Orlando, Florida.*
- Sprague, D. & Gallagher, P.S.** (2000). Web-based learning: Moving beyond the internet as a research tool, *Proceedings, Society for Information Technology & Teacher Education, SITE2000, San Diego, California.*
- Sprague, D. & Norton, P.** (1999). Studying technology as a cohort: Teachers' reflections on the process, *Proceedings, Society for Information Technology & Teacher Education, SITE 99, San Antonio, Texas.*
- Norton, P. & **Sprague, D.** (1999). Timber lane tales: Problem-centered learning and technology integration, *Proceedings, Society for Information Technology & Teacher Education, SITE 99, San Antonio, Texas.*
- Norton, P. & **Sprague, D.** (1998) Teachers teaching teachers: The Belen goals 2000 professional development project, *Proceedings, Society for Information Technology & Teacher Education, SITE 98, Washington, D.C.*
- Salzman, M., Dede, C., **Sprague, D.,** & Loftin, R.B. (1997). Assessing virtual reality's potential for teaching abstract science. *Proceedings of the Human Factors and Ergonomics Society 2,* pp. 1208-1212.
- Sprague, D.** (1997). Integrating the internet and curriculum: A web-based course for teachers, *Proceedings, National Educational Computing Conference, NECC '97, Seattle, Washington.*
- Norton, P. & **Sprague, D.** (1996). On-line collaborative lesson planning: An experiment in teacher education, *Proceedings, Society for Information Technology & Teacher Education, SITE 96, Phoenix, Arizona.*
- Sprague, D.** (1995). ITS changing teachers' paradigms, *Proceedings, Society for Information Technology & Teacher Education, SITE 95, San Antonio, Texas.*

Sprague, D. & Willis, E. (1995). Growing mushrooms with telecommunications, *Proceedings, The Third International Symposium on Telecommunications in Education*, Albuquerque, New Mexico.

NEWSLETTERS

Sprague, D. (1997, May). Faculty development in instructional technology. *Graduate School of Education Newsletter*, George Mason University, Fairfax, Virginia.

GRANT REPORTS

Kitsantas, A., **Sprague, D.**, Shaklee, B., Katradis, M., & Turner, J. (2011). Greek Teacher Professional Development (GTPD). Report submitted to the Bureau of Educational and Cultural Affairs of the United States (U.S.). Department of State, Award #S-ECAAS-08-CA-20(55). Washington, DC.

Sprague, D. (2005). High Touch Mentoring for High Tech Integration, *Final Report: Preparing Tomorrow's Teachers for Technology Grant*, U. S. Department of Education.

Sprague, D., Maher, M., Salzman, M., Stevenson, T., Ash, K., Dede, C., & Pate-Allen, N. (1997). Research Study on Recognizing Facial Expressions In An Immersive Virtual Environment, *Final Report: Virtual Environments for Training Grant*, U.S. Office of Naval Research.

PROGRAM DEVELOPMENT

Norton, P. & **Sprague, D.** (2002, September). *Folio Requirement for Continuing Accreditation for Instructional Technology*, Graduate School of Education, George Mason University, Fairfax, Virginia.

Norton, P. & **Sprague, D.** (1997, September). *Folio Requirement for Continuing Accreditation for Instructional Technology*, Graduate School of Education, George Mason University, Fairfax, Virginia.

Norton, P. & **Sprague, D.** (1997). *A Proposal for revision of Track Two - Instructional Technology Program: Integration of Technology in Schools*, Graduate School of Education, George Mason University, Fairfax, Virginia.

Norton, P., **Sprague, D.**, & Gonzales, C. (1993). *Toward a College-Wide Knowledge Base: A Research Study Involving Processes, Players, and Paradigms*, College of Education, University of New Mexico, Albuquerque, New Mexico.

FUNDED GRANTS: \$2,918,547

Marttinen, R., **Sprague, D.**, Eagle, M., & Holincheck, N. (2019). *Physical STEM+C: Supporting the Integration of K-12 STEM+C concepts in non-traditional subject areas*. College of Education and Human Development, George Mason University. \$9,980.

Fox, R. K., (Principle Investigator). (2015-2017). *U.S.-Pakistan collaboration for faculty excellence in teaching and research (CFETR)*. International grant, U.S. Department of State, Academic Linkages and Education Programs, U.S. Mission to Pakistan [SCA-ISB-15-AW-006-01152015]. Amount \$432,555.52. With faculty A. Samaras (Co-PI, Year 2), S. Baily (Co-PI, Year 1), S. Bauer, A. Evmenova, N. Holincheck, A. Mattix Foster, B. Shaklee, **D. Sprague**, and C. S. White.

Sprague, D., Kitsantas, A., Fox, R., Ndura, E. Samaras, A. & Shaklee, B. (2008). *Greek Teacher Professional Development Project*. Bureau of Educational and Cultural Affairs, U. S. Department of State. \$199, 970. Wrote the grant, served as PI.

Cline, V. Royall, N., **Sprague, D.** et.al. (2003). *Four Rivers Consortium*. Virginia Department of Education. Funded George Mason University's share \$120,000.00, April 2003 to February 2003. Serve as GMU's PI on the grant.

Sprague, D. & Shaklee, B. (2002). *Digital Edge Project*. National Board for Professional Teacher Standards. Funded \$10,000.00, November 2002 to May 2003. Co-authored grant proposal, served as Co-PI.

Sprague, D., Davis, N. & His, S. (2000). *SITE-CILT Collaborative Coop*. Center for Innovative Learning Technologies. Funded \$10,000.00, November 2000 to Sept. 2001. Co-authored grant proposal, served as Co-PI.

Sprague, D. (2000). *High Touch Mentoring for High Tech Integration*. U.S. Department of Education: Preparing Tomorrow's Teachers to Use Technology Project. Funded \$1,086,041.00, June 2000 to June 2003. Wrote grant proposal, served as PI.

Berhmann, M., Dede, C., & **Sprague, D.** (1999). *Project DEVISE*. U. S. Department of Education: Stepping Stones to Technology Project, Office of Special Education. Funded \$400,000.00, August 1999 to July 2001. Served as Co-PI, guided students through the creation of virtual reality environments for high school students with learning disabilities to understand physics.

Campbell, M., **Sprague, D.** et. al. (2000). *Prince William County School District: School to Work*. Commonwealth of Virginia: Local Partnership Grants Program. Funded \$562,221.00, no funding to GMU, July 2000 to June 2001. Part of the team responsible for assisting with the writing of this grant. Served on the Advisory Board that oversaw this project.

Lofton, B. Dede, C., **Sprague, D.** et. al. (1996). *Developing Virtual Environments for Training*. United States Department of Defense. Funded \$6.2 million, George Mason University's share \$650,000.00, June 1995 to December 1996. Served as Co-PI while Dr. Dede was serving at the National Science Foundation, co-authored the final report.

SUBMITTED GRANTS

Fisher-Maltese, C., Gring-Pemble, L., Gilbert, A., **Sprague, D.**, & Ramos, K. (2019). *Building environmental engagement and stewardship (BEES): Virtual career experiences with diverse children*. National Science Foundation, I-TEST. \$1,483,649.

INTERNATIONAL AND NATIONAL PRESENTATIONS

Peer Reviewed

Sprague, D., Zurawski, L., & Sprague, D. (2018). "Solving the Mystery of Augmented Reality: The Case of the Lost Diary." International Society for Technology in Education (ISTE) Conference, Chicago, Ill.

Foulger, T.S., Shah, M., Graziano, K.J., Schmidt-Crawford, D.A., Slykhuis, D.A., Mehta, R., Lyublinskaya, I. & **Sprague, D.** (2018). "Multiple Perspectives on Strengthening the Ability of Teacher Education Programs to Prepare Teacher Candidates to Integrate Technology." SITE 2018, Washington, D.C.

Opfer, T. & **Sprague, D.** (2018). "Teacher participation in online professional development: Exploring academic year classroom impacts." SITE 2018, Washington, D.C.

Zurawski, L., **Sprague, D.**, Porter, A. & Williams, K. (2018). "Evaluating University Facilitators' Perceptions of Video as an Observational Tool." SITE 2018, Washington, D.C.

Sprague, D., Groundwater, S., & Opfer, T. (2016). "Exploring Teachers' Beliefs and Use of Technology to Teach Literacy." Paper presented at AERA 2016, Washington, D.C.

Sprague, D. & DiPietro, J. (2015). "Unpacking a University Design Partnership: From Course Creation to Evaluation," Online Learning Consortium Conference, Orlando, FL.

Sprague, D. & Opfer, T. (2015). "Expanding PhD Students Knowledge-Base: Skyping with the Experts." SITE 2015 conference, Las Vegas, NV.

Sprague, D. (2013). "Augmented Reality: Exploring Its Potential for Social Justice." Association of Ubiquitous and Collaborative Educators International (AUCEi) Conference, Cocoa Beach, FL.

Sprague, D. (2013). "The Story Never Ends: Using Fanfiction with Elementary Students." International Society for Technology in Education (ISTE) Conference, San Antonio, TX.

- Sprague, D.**, (2013). "The Evolution of the Preservice Technology Course: Lessons Learned." SITE 2013, New Orleans, Louisiana.
- Sprague, D.** & Pierczynski, M. (2013). "Examining Doctoral Students' Formal and Informal Technology Education." SITE 2013, New Orleans, Louisiana.
- Sprague, D.** & Katradis, M. (2012). "Examining the Long Term Effects of the Professional Development for International Educators Model." SITE2012 Conference, Austin, TX.
- Kayler, M. & **Sprague, D.** (2012). "Practicing Teachers' Technology Integration: Projects that Mattered." SITE2012 Conference, Austin, TX.
- Sprague, D.**, Albion, P., Maddux, C. & Katradis, M. (2012). "Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)." SITE2012 Conference, Austin, TX.
- Kayler, M. & **Sprague, D.** (2012). "Supporting Teachers' Technological Skill Development and Pedagogical Understandings: A Project-based Approach." AACTE Conference, Chicago, IL.
- Kitsantas, K., **Sprague, D.**, & Shaklee, B. (2011). "Exploring the Impact of a Professional Development Model on Teacher Efficacy toward Technology Integration." ICICTE 2011, Rhodes, Greece.
- Kayler, M. & **Sprague, D.** (2011). "'You Want Me To Do What?': Exploring K-12 Teachers' Experiences with Virtual Gaming" Paper presented at AERA2011, New Orleans, Louisiana.
- Sprague, D.**, Albion, P., Maddux, C. & Leins, J. (2011). "Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)." SITE2011 Conference, Nashville, Tennessee.
- Sprague, D.** & Kayler, M. (2011). "Fear, Apprehension, Stereotypes, Oh, My! Exploring Teachers' Reactions to Virtual Gaming." SITE2011 Conference, Nashville, Tennessee.
- Sprague, D.**, Katradis, M., & Weinberg, A. (2011). "Examining the Effectiveness of a Professional Development for International Educators Model." SITE2011 Conference, Nashville, Tennessee. (Poster Presentation)
- Sprague, D.**, Albion, P., & Maddux, C. (2010). "Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)" SITE2010 Conference, San Deigo, California.
- Knezek, G., Bull, G., Schrum, L., Spector, M., **Sprague, D.**, & Thompson, A (2010). "Editor's Roundtable." Hawaii International Conference on Education, Honolulu, Hawaii

- Sprague, D., Albion, P., Ferdig, R., & Maddux, C. (2009).** “Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)” SITE2009 Conference, Charleston, South Carolina.
- Sprague, D. (2008).** “Journal of Technology and Teacher Education.” Journal Talk. AERA2008 Conference, New York City, New York.
- Sprague, D. (2008).** “Preservice Technology Integration.” Discussant. AERA 2008 Conference, New York City, New York.
- Sprague, D., Albion, P., Ferdig, R. & Maddux, C. (2008).** “Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)” SITE2008 Conference, Las Vegas, Nevada.
- Sprague, D. & Zamon, M. (2007).** “Assessing the Learning Potential of E-Portfolios.” AERA 2007 Conference, Chicago, Illinois.
- Sprague, D. (2007).** “Journal of Technology and Teacher Education.” Journal Talk. AERA2007 Conference, Chicago, Illinois
- Sprague, D., Albion, P., Ferdig, R. Maddux, C., & Pixley, C. (2007).** “Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)” SITE2007 Conference, San Antonio, Texas
- Sprague, D. (2006).** “Journal of Technology and Teacher Education.” Journal Talk. AERA2006 Conference, San Francisco, California.
- Sprague, D. (2006).** “Portfolios, Reflections, and Technology.” Discussant. AERA2006 Conference, San Francisco, California.
- Sprague, D. (2006).** “Immersing Teachers in Video Games: What They Learned from the Experience.” AERA2006 Conference, San Francisco, California.
- Schrum, L., Thompson, A., **Sprague, D.**, Maddux, C., Roybler, M. D., Bell. L., & Bull, G. (2006). “Facilitating Effective Technology Research in the Core Content Areas.” SITE2006 Conference, Orlando, Florida
- Sprague, D., Albion, P., Ferdig, R. & Maddux, C. (2006).** “Transitions to Academia: Publishing in the Journal of Technology and Teacher Education (JTATE)” SITE2006 Conference, Orlando, Florida
- Sprague, D., Bull, G., Bell, L. & Pixley, C. (2006).** “Journal Reviewers’ Workshop” SITE2006 Conference, Orlando, Florida

- Sprague, D.** (2005). "Journal of Technology and Teacher Education." Journal Talk. AERA2005 Conference, Montreal, Canada
- Sprague, D.** (2005). "Assessing the Impact of Technology on Individual and Collaborative Teacher Development" Discussant. AERA2005 Conference, Montreal, Canada
- Searson, M. Halverson, B., McLaughlin, R., Cazan, C., DeMarle, A., Foreman, J., Benton, P., Zibit, M., Gibson, D., & **Sprague, D.** (2005). "Let's Play: The Role and Value of Games and Simulations in Education." SITE2005 Conference, Phoenix, Arizona.
- Sprague, D.**, Bull, G., & Bell, L. (2005). "Journal Reviewers' Workshop." SITE2005 Conference, Phoenix, Arizona.
- Sprague, D.** & Pixley, C. (2004). "High Tech Mentoring: Evaluating the Impact of a PT3 Project." Northeast Educational Research Association, Hudson Valley, New York.
- Sprague, D.** & Cooper, J. (2004). "High Tech Mentoring: Evaluating the Impact of a PT3 Project." AERA2004 Conference, San Diego California.
- Sprague, D.** (2004). "Journal of Technology and Teacher Education." Journal Talk. AERA2004 Conference, San Diego, California.
- Sprague, D.** (2004). "Session 5, SIG-Instructional Technology" Discussant. AERA2004 Conference, San Diego California.
- Borthwick, A., Franklin, T., Handler, M., Jones, T., & **Sprague, D.** (2003). "Preparing for the New ISTE/NCATE Educational Computing Graduate Program Review" Workshop, NECC 2003 Conference, Seattle Washington
- Sprague, D.** & Cooper, J. (2003). "Integrating Technology through Webcasts: A Tool for Professional Development." NECC 2003 Conference, Seattle Washington
- Sprague, D.** (2003). "Journal of Technology and Teacher Education." Journal Talk. AERA2003, Chicago, Illinois.
- Handler, M., Borthwick, A., Franklin, T. **Sprague, D.**, & Norton, P. (2003). "Meeting Changing Standards: Preparing the New NCATE/ISTE SPA Report." SITE2003 Conference, Albuquerque, New Mexico.
- Sprague, D.** & Cooper, J. (2003). "Modeling Technology Integration through Webcasts: A PT3 Project." SITE2003 Conference, Albuquerque, New Mexico.
- Shaklee, B., **Sprague, D.**, & White, S. (2003). "Incorporating Performance-Based Assessment and Technology in Teacher Preparation." Hawaii International Conference on Education, Honolulu, Hawaii

- Sprague, D.,** White, S. & Shaklee, B. (2003). "Technology Integration in the Elementary Education Program." Hawaii International Conference on Education, Honolulu, Hawaii
- White, S., Shaklee, B, & **Sprague, D.** (2003). "Performance Assessment in Elementary Education." Hawaii International Conference on Education, Honolulu, Hawaii
- Sprague, D.** & Dede, C. (2002). "Zoning In On Physics: Virtual Environments for Learning Disabled Students." NECC2002 Conference, San Antonio, Texas.
- Sprague, D.** (2002). "Journal of Technology and Teacher Education." Journal Talk. AERA2002 Conference, New Orleans, Louisiana.
- White, C. S. & **Sprague, D.** (2002). "Assessing Mentoring Teachers' Technology Proficiency: What Do They Have To Say?" SITE2002 Conference, Nashville, Tennessee.
- Sprague, D.** & White, C.S. (2002). "Exploring the Effectiveness of Two Models of Technology Integration." SITE2002 Conference, Nashville, Tennessee.
- Sprague, D.,** Cooper, J., & Milman, N. (2002). "High Tech Mentoring: Assessing the Effectiveness of a PT3 Project." SITE2002 Conference, Nashville, Tennessee.
- Davis, N., **Sprague, D.,** Mumma, P., & Riddle, E. (2002). "Contributions and Concerns of SITE Participants: A Survey of Technology Using Teacher Educators (ASTUTE)." SITE2002 Conference, Nashville, Tennessee.
- Sprague, D.** & Dede, C. (2002). "Zoning In On Physics: A Virtual Environment for LD Students." Florida Educational Technology Conference, Orlando, Florida.
- Sprague, D.,** McDonald, J., Holmlund, S., Dunlap, K., Keenan, T., Fox, R., Bachman, L., Kaffenberger, C. & Murphy, S. (2001). "High Touch Mentoring Provides High Tech Integration." Preparing Tomorrow's Teachers to Use Technology Annual Grantees' Meeting, Washington, D.C.
- Dede, C. & **Sprague, D.** (2001). "Unique Attributes of Virtual Reality Models as Educational Inscriptions." AERA2001 Conference, Seattle, Washington.
- Sprague, D.** & White, C. S. (2001). "High Touch Mentoring for High Tech Integration." Society for Information Technology & Teacher Education, SITE2001 Conference, Orlando, Florida.
- White, C. S. & **Sprague, D.** (2001). "Collaboration and Integration: Technology in a Preservice Elementary Education Foundations Course." Society for Information Technology & Teacher Education, SITE2001 Conference, Orlando, Florida.

- Sprague, D.** & Dede, C. (2000). "Project DEVISE: Creating Virtual Reality Environments for Students with Learning Disabilities." NECC2000 Conference, Atlanta, Georgia.
- Dede, C., **Sprague, D.**, Siggins, T., & Johnston, M. (2000). "Using Immersive Virtual Worlds in Real-World Classrooms." NECC2000 Conference, Atlanta, Georgia.
- Dede, C. & **Sprague, D.** (2000). "Frames and Reference as a Means of Enhancing Learning in Visualization Environments." AERA2000 Conference, New Orleans, Louisiana.
- Sprague, D.** & Gallagher, P.S. (2000). "Web-Based Learning: Moving Beyond the Internet as a Research Tool," SITE2000 Conference, San Diego, California.
- Norton, P. & **Sprague, D.** (1999). "Timber Lane Tales: Problem-Centered Learning and Technology Integration," NECC 99 Conference, Atlantic City, New Jersey.
- Sprague, D.** & Norton, P. (1999). "Studying Technology as a Cohort: Teachers' Reflections on the Process," SITE 99 Conference, San Antonio, Texas.
- Norton, P. & **Sprague, D.** (1999). "Timber Lane Tales: Problem-Centered Learning and Technology Integration," SITE 99 Conference, San Antonio, Texas.
- Dede, C. & **Sprague, D.** (1998). "The Potential of Virtual Reality to Improve Education," NECC '98 Conference, San Deigo, California.
- Norton, P. & **Sprague, D.** (1998). "Teachers Teaching Teachers: The Belen Goals 2000 Professional Development Project", SITE Conference, Washington, D.C.
- Sprague, D.** (1997). "Integrating the Internet and Curriculum: A Web-Based Course for Teachers," NECC '97 Conference, Seattle, Washington.
- Dede, C. & **Sprague, D.** (1997). "Virtual Reality and Science Learning: Comparing Multisensory Immersion to Two-Dimensional Microworlds," AERA Conference, Chicago Illinois.
- Norton, P. & **Sprague, D.** (1996). "On-line Collaborative Lesson Planning: An Experiment in Teacher Education," SITE 96, Phoenix, Arizona.
- Sprague, D.** (1995). "Integrating Technology in the Schools: An Ex Post Facto Study of a College of Education Graduate Program," SITE 95, San Antonio, Texas.
- Sprague, D.** & Willis, E. (1994). "Growing Mushrooms with Telecommunications," International Society for Technology in Education, TELED 94, The Third International Symposium on Telecommunications in Education, Albuquerque, New Mexico.

Invited Presentations

Sprague, D. (2017). “Choosing the Technology” School of Business and Economics, University of Management and Technology, Lahore, Pakistan.

Sprague, D. (2017). “Increasing Student Engagement by Flipping the Course” School of Business and Economics, University of Management and Technology, Lahore, Pakistan.

Sprague, D. (2017). “Engaging Students with Technology” School of Business and Economics, University of Management and Technology, Lahore, Pakistan.

Knezek, G., Brown, A. Bull, G., Schrum, L., Spector, M., & **Sprague, D.** (2011). “Editor’s Roundtable.” ITEST Summit, Washington, D.C.

Knezek, G., Brown, A. Bull, G., Schrum, L., Spector, M., **Sprague, D.**, & Starkweather, K. (2010). “Editor’s Roundtable.” ITEST Summit, Washington, D.C.

Sprague, D. (2009). “Instructional Aspects of Web 2.0”, Cairo University, Cairo, Egypt

Knezek, G., Bull, G., **Sprague, D.**, Schrum, L., & Thompson, A. (2009). “Editor’s Roundtable.” ITEST Summit, Washington, D.C.

Sprague, D. (2008). “Education Technology Specialist – Definitions and Roles”, National Accreditation Resource Workshop, Cairo Egypt

Sprague, D. (2008). “The Natives are Restless: Using Technology to Engage First-Year Students.” Buffalo State College, Buffalo, New York.

Sprague, D. (2008). “Exploring the Digital Frontier: ‘Natives’ and ‘Immigrants’ Learning from Each Other.” Buffalo State College, Buffalo, New York.

Knezek, G., Bull, G., **Sprague, D.**, Schrum, L., & Thompson, A. (2008). “Editor’s Roundtable.” ITEST Summit, Arlington, Virginia.

Sprague, D. (2007). “Gaming: It’s Not Just for Geeks Anymore.” Online Presentation, TappedIn (<http://www.tappedin.org>)

Sprague, D., Kay, K., Knezek, D. Patrick, S., & Newman, A. (2007). “Bridging the Gap Between K-12 and Higher Education” Blackboard Thought Leadership Forum #1, Panel Session, Washington, D.C.

Sprague, D. (2007). “Educational Technology: Establishing a Research Agenda.” Lunch Speaker, TCEA Educational Research Symposium, Austin, Texas

- Dede, C., Rose, R., & **Sprague, D.** (2006). "Evolving a Research Agenda for Online Professional Development." Invited Panel, SITE2006 Conference, Orlando, Florida
- Nathanson, J., Weisman, M., Curry, B., Christensen, R., Callahan, W., & **Sprague, D.** (2004). "Project Evaluation in the GRPA Environment." Invited Panel. Preparing Tomorrow's Teachers to Use Technology Annual Grantees' Meeting, Atlanta, Georgia.
- Willis, D. Thompson, A., **Sprague, D.**, Bull, G. & Bell, L. (2004). "Editors Panel." Invited Panel, Society for Information Technology & Teacher Education, SITE2004 Conference, Atlanta, Georgia.
- Wetzel, K., Myers, J., **Sprague, D.**, & Schmidt, D. (2004). "CITE Journal Technology Awards Panel." Invited Panel, Society for Information Technology & Teacher Education, SITE2004 Conference, Atlanta, Georgia.
- Sprague, D.** & Bell, L. (2004). "Reviewing for the Journal of Technology and Teacher Education & Contemporary Issues in Technology and Teacher Education." Society for Information Technology & Teacher Education, SITE2004 Conference, Atlanta, Georgia.
- Sprague, D.**, Cooper, J., Sherry, L., Bober, M., Callahan, W., & Howland, J. (2004). "Evaluation of PT3 Projects: Lessons Learned from the Field." Invited Panel, Society for Information Technology & Teacher Education, SITE2004 Conference, Atlanta, Georgia.
- Dede, C. & **Sprague, D.** (2003). "Emerging Technologies for Mediated Learning." Technology Leadership Institute, Elmsford, New York.
- Bull, G., Swan, G. & **Sprague, D.** (2002). "Grand Challenges in Technology and Teacher Education." Keynote, Society for Information Technology & Teacher Education, SITE2002 Conference, Nashville, Tennessee.
- Willis, D., **Sprague, D.**, Bull, G., Davis, N., Thompson, A., & Johnson, L. (2002). "Meet the Editors" Society for Information Technology & Teacher Education, SITE2002 Conference, Nashville, Tennessee (Panel Discussion).
- Sprague, D.** (2001). "Webcasts on Technology Integration." Online Presentation, TappedIn (<http://www.tappedin.org>)
- Bull, G. & **Sprague, D.** (2001). "The Technology and Teacher Education Portal: Building a Cross-Disciplinary Academic Community for Support of Professional Discourse." Linking Leadership to Learning: Putting PT3 Results to Work Conference, Vanderbilt University/American Association of Colleges for Teacher Education, Nashville, Tennessee.
- Sprague, D.** (2001). "Using Technology to Teach Reading." University of Houston- Prairie View Reading Conference, Houston, Texas

Johnson, L. W., Winn, W., **Sprague, D.**, Rickel, J. & Gigley, H. (2001). "Virtual Reality in Education and Training: When Is It Useful?" Artificial Education in Education, AI-ED2001 Conference, San Antonio, Texas (Panel Discussion).

McLaughlin, R., Gibson, D., Davis, N., & **Sprague, D.** (2001). "Web Community Innovations for SITE: Who Is Doing What with Clearinghouses and Online Tools Development?" Society for Information Technology & Teacher Education, SITE2001, Orlando, Florida (Panel Discussion).

Sprague, D. (2001). "Emerging Technology in Higher Education." Montgomery College, Rockville, Maryland.

Sprague, D. (2000). "Preparing for the Future: Integrating Technology in the Schools." Classroom of the Future Workshop, Waller, Texas (presented twice).

Sprague, D. (2000). "Integrating Technology into the Teacher Education Unit." NCATE 2000: Continuing Accreditation & Beyond. Washington, D.C.

Sprague, D. (2000). "Meeting the Challenge: Using Technology to Enhance Learning." Buffalo State College, Buffalo, New York.

Sprague, D. (1999). "Integrating Technology into the Teacher Education Unit." NCATE 1999: Initial Accreditation. Philadelphia, PA.

Sprague, D. (1998). "Integrating Technology into the Teacher Education Unit." NCATE 1998: Continuing Accreditation & Beyond. Washington, D.C.

Sprague, D. & Norton, P. (1998). "Technology Integration: Positions, Obstructions, Visions, Actions," NASSP Conference, San Diego, California (presented twice).

Sprague, D. (1996). "The Classroom and Beyond: Education, Lifelong Learning and the Internet," United States Internet Council Leadership Conference, Washington, D.C.

Non-Peered Reviewed

Sprague, D. (2018). "Literacy Engagement with Technology: Fan Fiction, Digital Studies, and Fan Fiction." JOSTI2018, Fairfax, VA.

Sprague, D. (2017). "Literacy Engagement with Technology: Fan Fiction, Digital Studies, and Fan Fiction." JOSTI2017, Fairfax, VA.

Sprague, D. (2016). "Literacy Engagement with Technology: Fan Fiction, Digital Studies, and Fan Fiction." JOSTI2016, Fairfax, VA.

Sprague, D., Baker, C., Suh, J., & Buggio, J. (2016). "From Self-study to Collaboration: Working Together to Redesign the Technology Course." NAPDS Conference, Washington, D.C.

Sprague, D. (2014). "The Impact of Online Technology Courses in Preservice Teachers' Developing Understandings of Technology Integration in PDS Classrooms," NAPDS Conference, Las Vegas, Nevada.

Sprague, D. (2004). "Developing WebQuest Learning Environments for Teacher Education," Workshop, Association of Teacher Education Annual Conference, Dallas, Texas.

STATE, REGIONAL, AND LOCAL PRESENTATIONS

Peer Reviewed

Sprague, D. (2000). "Using the Internet to Enhance Student Learning," SOL Fair for Parents II Conference, Fairfax, VA.

Sprague, D. (1998). "WebQuests: A Problem-Centered Use of the Web," Virginia Society for Technology in Education (VSTE), Roanoke, Virginia.

Sprague, D. (1997). "WebQuests: A Problem-Centered Use of the Web," Virginia Society for Technology in Education (VSTE), Telecommunication Conference, Charlottesville, Virginia.

Sprague, D. (1997). "Button Talk: Creating Your Own Interactive Fiction," Virginia Society for Technology in Education (VSTE) Annual Technology Conference, Virginia Beach, Virginia.

Sprague, D. (1996). "Internet for Educators," Virginia Society for Technology in Education (VSTE), Telecommunication Conference, Charlottesville, Virginia.

Sprague, D. (1996). "Getting Teachers On-line: A Look at One Collaborative Project," Virginia Society for Technology in Education (VSTE), 1996 Annual Technology Conference, Roanoke, Virginia.

Invited

McDowell, J., Horsford, S., & **Sprague, D.** (2016, January 20). "Research practices and publication roundtable." Invited speaker for CEHD Professional Development Committee. George Mason University, Fairfax, Virginia.

McDaniel, J. G., Zhou, Y., **Sprague, D.**, et. al. (2013). "Mason Online Student Journey." Provost's Cabinet, George Mason University, Fairfax, VA.

- Sprague, D. & DiPietro, J. (2013).** “Elementary Education Online Courses.” Distance Education Committee, George Mason University, Fairfax, VA.
- Sprague, D. (2009).** “Exploring the Impact of Electronic Media on Young Children.” Kiddie Country Developmental Learning Center, Burke, VA.
- Sprague, D. (2009).** “Exploring the Impact of Electronic Media on Young Children.” Child Development Center Professional Development Workshop, George Mason University, Fairfax, VA.
- Sprague, D. (2003).** “Integrating Laptops in Schools.” Minnie Howard School, Alexandria, VA
- Sprague, D. (2003).** “Finding Gems in a Web of Resources.” Keynote, ASLFC Blue Ribbon Literature Conference, Fairfax, Virginia.
- Sprague, D. (1999).** “Integrating Technology in Teacher Education,” Coppin State College, Baltimore, Maryland.
- Sprague, D. (1999).** “Learning About Distance Education,” Coppin State College, Baltimore, Maryland.
- Sprague, D. (1999).** “Constructivism in the ESL/Foreign Language Classroom,” Workshop presented for Episcopal High School, Alexandria, Virginia.
- Sprague, D. (1999).** “WebQuests Workshop,” Jefferson Overseas Teachers Institute, Fairfax, VA.
- Sprague, D. (1998).** “WebQuest Workshop.” TechKnowledgey, Summer Technology Training, Prince William County Public Schools, Virginia (repeated twice).
- Sprague, D. & Norton, P. (1998).** “Technology: Classroom Applications and Training Opportunities,” Delta Kappa Gamma Society International, 1998 Northern Virginia Area Conference, Fairfax, Virginia (repeated twice).
- Sprague, D. (1998).** “SOLs, SOAs, and Technology Integration,” PDK Technology Conference, Fairfax, Virginia.
- Sprague, D. (1997).** “Use of the Internet in Education,” St. Anne’s School, Annapolis, Maryland.
- Sprague, D. & Norton, P. (1997).** “Integrating Technology in the Classroom,” Inservice for St. Andrews the Apostle, Centerville, VA.
- Sprague, D. (1997).** “Learning Curve/Educational Resources,” Globalization in Our Backyard Conference, Leadership Fairfax Incorporated, Fairfax, Virginia.

Sprague, D. (1996). "Technology Education," Office of Adult Learning and Professional Development, Staff Development Conference, Fairfax, Virginia.

Sprague, D. (1996). "Trends in Instructional Technology," Loudoun County Public Schools' Technology Steering Committee, Leesburg, Virginia.

Sprague, D. (1995). "Media Literacy: How to Live with Mass Media Technology," Television production on Prince William's Community Forum, December, 1995.

Non-Peered Reviewed

Sprague, D. (2019). "Using Augmented Reality in Teacher Education." CEHD Teaching through Technology Discovery Fair, George Mason University, Fairfax, VA.

Sprague, D. (2015). "Increasing Student Engagement by Flipping the Course." Innovations in Teaching and Learning Conference, George Mason University, Fairfax, VA.

Boicu, M., Tecuci, G., Marcu, D., Lukes, L., **Sprague, D.**, Trefil, J., & Urban, K. (2015). "Teaching Critical Thinking Skills for Evidence-Based Reasoning across the Curriculum Using COGENT." Innovations in Teaching and Learning Conference, George Mason University, Fairfax, VA.

Sprague, D. & Katradis, M (2012). "Examining the Long Term Effects of the Professional Development for International Educators Model." CEHD Symposium, George Mason University, Fairfax, VA.

Kayler, M. & **Sprague, D.** (2011). "'You Want Me To Do What?': Exploring K-12 Teachers Experiences with Virtual Gaming." CEHD Symposium, George Mason University, Fairfax, VA.

Kitsantas, A., Shaklee, B., **Sprague, D.**, & Turner, J. (2011). "Examining the Effectiveness of a Professional Development Model for International Educators." CEHD Symposium, George Mason University, Fairfax, VA. (Poster Presentation)

Kayler, M., & **Sprague, D.** (2008). "Online Gaming: Bridging Cultural Understandings." 4th Annual Innovations in e-Learning Symposium. George Mason University, Fairfax, VA.

Sprague, D. & Behrmann, M. (2001). "Project Devise: Designing Environments for Virtual Immersive Science Education," TAM Conference, Reston Virginia.

Sprague, D. (2001). "Online Simulations and Resources for Social Studies and Language Arts," Technology Symposium, Arlington Public Schools, Arlington, Virginia

Sprague, D. & Behrmann, M. (2001). "Project Devise: Designing Environments for Virtual Immersive Science Education," Eastern Assistive Solutions with Technology (EAST) Conference, Fairfax, Virginia.

Dede, C. & **Sprague, D.** (1999). "Technology: Problems and Solutions," Leadership Conference, Fairfax, Virginia.

Sprague, D. (1998). "ButtonTalk: Creating Your Own Interactive Fiction," NOVATEC PowerUp! Conference, Alexandria, Virginia.

Sprague, D. (1997). "Using Speakfreely and the Internet to Communicate," NOVATEC Power Up! Conference, Alexandria, Virginia (repeated twice).

Sprague, D. (1997). "Getting Started with Technology," VAIS Technology Conference, Northern Virginia Region, Alexandria, Virginia.

WORKSHOPS

Sprague, D., Kitsantas, A., Fox, R., & Samaras, A. (2011). "Greek Teacher Professional Development Follow-Up" Athens, Greece (Two day workshop)

Sprague, D. (2009). "Quality Education and the Accreditation Process" Cairo, Egypt (week long workshop, offered twice)

Sprague, D. & Pixley, C. (2004.) "Integrating Laptops in School." Glen Forest Elementary School, Falls Church, VA. (Two day workshop)

COURSES TAUGHT

EDUC 542: Foundations of Education (3 credit hours)

EDCI 557: Integrating Technology in the Elementary Curriculum (3 credit hours)

EDCI 520: Assessment for Language Learners (3 credit hours)

EDCI 545: Assessment and Differentiation (3 credit hours)

EDCI 559: Research and Assessment in Elementary Education (3 credit hours)

EDCI 546: Integrating Technology in Elementary Classrooms: Literacy (1 credit hour, online)

EDCI 546: Integrating Technology in Elementary Classrooms: Mathematics (1 credit hour, online)

EDCI 548: Integrating Technology in Elementary Classrooms: Social Studies and Fine Arts (1 credit hour, online)

EDCI 614: Designing and Assessing Teaching and Learning (2 credit hours)

EDIT 711: Teaching with Technology I: Telecommunications and Databases (3 credits)

EDIT 713: Teaching with Technology II: Graphics, TV and Video, and Simulations (3 credits)

EDIT 715: Teaching with Technology III: Publishing and Computational Tools (3 credits)

EDIT 721: Web-Based Learning (3 credits)
EDIT 717: Teaching with Technology IV: Hypermedia and Emerging Technologies (3 credits)
EDIT 747: Technology and Teacher Development (3 credits)
EDIT 725: Technology and Diversity (3 credits)

AWARDS and RECOGNITIONS

2017 Recognized by George Mason University Stearns Center for Teaching and Learning, “*Thank-a-Teacher*” program where students “acknowledge an instructor who has made a significant difference in their lives.”

2016 Exemplary PDS Achievement. Awarded to the Elementary Education Program at George Mason University, Fairfax County Public Schools, Manassas Park City Schools, and Prince William County Schools. National Association of Professional Development Schools.

2013 Recognition for the Development of Exceptional Online Courses. Distance Education Office, George Mason University.

2012 In Appreciation of Outstanding Service as Editor of the Journal of Technology and Teacher Education, 2001-2012. Society for Information Technology and Teacher Education.

2003 CITE Journal Technology Leadership Award for Exemplary Use of Technology to Teach Content in an Introductory Technology Course. Society for Information Technology and Teacher Education.

Leading and Learning with Technology, “5 that Survive.” One of the top five articles published in this journal within the past thirty years. (March 2003, Vol. 30, No. 6, p. 22-27.) International Society for Technology in Education.

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

American Education Research Association
International Society for Technology in Education
Society for Information Technology and Teacher Education
Virginia Society for Technology in Education
Association of Ubiquitous and Collaborative Educators International