

William E. J. Doane, PhD

805 North Wayne St • Apt 205 • Arlington VA 22201

202.810.5802 • wil@DrDoane.com • http://DrDoane.com

PROFESSIONAL PREPARATION

- 2008 Ph.D. University at Albany, State University of New York: Information Science.
- 2003 M.S. University of Hawai'i, Honolulu HI: Information & Computer Sciences.
- 1998 B.A. Hampshire College, Amherst MA: Cognitive Science

APPOINTMENTS

- 2013–current Research Staff Member, Institute for Defense Analyses — Science & Technology Policy Institute
- 2012–2013 Adjunct Computing Faculty, College of Saint Rose
- 2010–current Adjunct Computing Faculty, Hudson Valley Community College
- 2010–2012 Computing Faculty, Bennington College
- 2008–2013 Adjunct Research Associate, University at Albany
- 2008–2010 Lecturer, University at Albany
- 2004–2008 Adjunct Faculty, Skidmore College, University Without Walls
- 1992–current Research Associate, Association for the Cooperative Advancement of Science & Education, Saratoga Springs NY

PUBLICATIONS

*=undergraduate students, **= graduate students or teachers, ***=postdocs or technicians

- Zachos, P. A. & **Doane, W. E. J.** (2017) *Knowing The Learner: A new approach to educational information*. Northshire Press.
- Danielak, B. A. & **Doane, W. E. J.** (2014) Studying Students' Early-Stage Software Design Practices. Proceedings of the International Conference on the Learning Sciences (ICLS) 2014. Boulder, Colorado
- Zuckerman, B. L., Azari, A. R., & **Doane, W. E. J.** (2013). *Advanced Technology-Enhanced Education: A Workshop Report*. IDA Document D-5084, December 2013.
- Radlick, M., Stefl-Mabry, J., & **Doane, W. E. J.** (2012). Effecting Change Through Technology—Teacher PD and Student Learning—Can We Walk and Chew Gum at the Same Time? *Proceedings of the American Educational Research Association*.
- Pruzek, R. M., Danielak, B. A.**, Bryer, J.** , & **Doane, W. E. J.** (2011). Some New Developments in Graphics for Comparing Groups. Society of Multivariate Experimental Psychology.
- Doane, W. E. J.**, & Stefl-Mabry, J. (2008). Understanding Stress in a Trans-generational Problem-based Learning Setting. *Society for Information Technology and Teacher Education (SITE) 2008*. Las Vegas, NV: Society for Information Technology and Teacher Education (SITE).
- Doane, W. E. J.**, & Stefl-Mabry, J. (2009). Trans-Generational Web Development Learning Experience in PBL. In O.-S. Tan (Ed.), *Problem-based Learning and Creativity*. Thompson Learning.
- Doane, W. E. J.**, Stefl-Mabry, J., Fazio, A.** , & Germain, S** . (2010). Won't Somebody Please Think of the Children? *EdMedia 2010*. Toronto, Canada: AACE.
- Steffl-Mabry, J., & **Doane, W. E. J.** (2008). Teaching & Learning 2.0: An urgent call to do away with the isolationist practice of educating and retool education as community in

- the United States. *Society for Information Technology and Teacher Education (SITE) 2008*. Las Vegas, NV: Society for Information Technology and Teacher Education (SITE).
- Steff-Mabry, J., & **Doane, W. E. J.** (2009). Seen and Still Not Heard: What Student Voices Reveal About Teachers and Technology. *AERA 2009 Annual Conference*. San Diego, CA: AERA.
- Steff-Mabry, J., & **Doane, W. E. J.** (2009). Bringing the Village to the University Classroom: Uncertainty and Confusion in Teaching School Library Media Students to Be Learner Centered, Knowledge Centered and Assessment Centered. *AERA 2009 Annual Conference*. San Diego, CA: AERA.
- Steff-Mabry, J., **Doane, W. E. J.**, & Radlick, M. S. (2010). Bringing the Village to the University Classroom. In S. D'Agustino (Ed.), *Adaptation, Resistance and Access to Instructional Technologies: Assessing Future Trends in Education*. IGI Global.
- Steff-Mabry, J., **Doane, W. E. J.**, Radlick, M. S., & Theroux, P. (2008). Redefining Schools as Learning Organizations: A Model for Trans-generational Teaching and Learning. *International Journal of Teaching and Learning in Higher Education*, 19(3).
- Steff-Mabry, J., Radlick, M. S., & **Doane, W. E. J.** (2008). Hearing voices: Teachers Reveal ICT Use and Needs. *American Educational Research Association (AERA)*. New York, NY.
- Doane, W. E. J.**, Rice, R. R.** , & Zachos, P. A. (2006). Knowing When You Don't Know: Supporting teaching and learning using a new generation of tests. *Science Teacher*, 73(4), 46-49.
- Doane, W. E. J.**, Steff-Mabry, J., Christopher, J.*, Davis, J.*, Issacson, J.*, & Szablicki, H.* (2006, June 26). An Inter-Team Collaboration Model for Web Development Projects: Observe-Communicate-Assist-Reflect (OCAR). Paper presented at the World Conference on Educational Multimedia, Hypermedia and Telecommunications 2006, Orlando, FL.
- Rice, R. R.** , Zachos, P. A., Burgin, J.** , & **Doane, W. E. J.** (2005). In the Beginning, There Were Sun and Shadows: Using Stories in Science Teaching. Paper presented at the Eighth Conference of the International History, Philosophy and Science Teaching Group (IHPST).
- Suthers, D. D., Harada, V. H., **Doane, W. E. J.**, Yukawa, J.** , Harris, B.** , & Lid, V.** (2004). Technology-Supported Systemic Reform: An Initial Evaluation and Reassessment. Paper presented at the 2004 International Conference of the Learning Sciences.
- Zachos, P. A., & **Doane, W. E. J.** (2004). An Alternative Approach to State Examinations in Science Education: Science Teachers' Association of New York State (STANYS).
- Zachos, P. A., Hick, T. L.*** , **Doane, W. E. J.**, & Sargent, C.** (2000). Setting theoretical and empirical foundations for assessing scientific inquiry and discovery in educational programs. *Journal of Research in Science Teaching*, 37(9), 938-962.

PRESENTATIONS

- Patterson, B. & **Doane, W. E. J.** (2014) *Toolmaker or scientist?* Proceedings of the 45th ACM technical symposium on Computer Science Education (SIGCSE). *Boulder, Colorado*
- Doane, W. E. J. (2011). What Watson Missed: at the edges of artificial intelligence. Bennington, VT: Bennington College.
- Doane, W. E. J. (2011). Computing Technology in Education. Albany, NY: University at Albany, State University of New York.
- Doane, W. E. J. (2010). Computing Education Matters: How can computing education incorporate socially relevant issues so that learning about computing also means learning how to improve our communities? Bennington, VT: Bennington College.
- Doane, W. E. J. (2010). Social Media for School Library Media Specialists. Albany, NY: University at Albany, State University of New York.
- Doane, W. E. J. (2008). Reinventing Yourself: Web 2.0 and School Library Media Specialists. Albany, NY: Capital Area School Development Association (CASDA).
- Doane, W. E. J. (2007). The History and Future of Free and Open Source Software. Minneapolis, MN: Society for Technical Communication (STC).
- Doane, W. E. J. (2007). Using WIKI Technology to Support Learning Communities. Saratoga Springs, NY: Association for the Cooperative Advancement of Science and Education (ACASE).
- Doane, W. E. J. (2007). Social Software for Collaboration. Albany, NY: University at Albany, State University of New York.
- Doane, W. E. J. (2007). Citation Managers for Graduate Studies. Albany, NY: University at Albany, State University of New York.
- Doane, W. E. J. (2007). Web 2.0, VR, and the Future of Librarianship. Albany, NY: University at Albany, State University of New York.
- Steff-Mabry, J., & Doane, W. E. J. (2007). What We Know About What We Know: How to Use Assessment and Evaluations. Washington, D.C.: American Library Association Annual Conference.
- Doane, W. E. J. (2006). Educator Seeks Social Software to Please: What do educators need & want in social software? New York, NY: BarCampNYC2.

SYNERGISTIC ACTIVITIES

- External evaluator, NASA: New York Center for Astrobiology
- External evaluator, Council on Addiction Prevention and Education of Dutchess County – Marathon Project.
- Reviewer, ACM SIGCSE Conference Proceedings
- Reviewer, ACM ITiCSE Conference Proceedings
- Co-developer, R Statistical Software Package: Graphical Analysis of Variance using ggplot2 (granovaGG) <http://cran.r-project.org/web/packages/granovaGG/>

SCIENTIFIC COLLABORATORS

- John Delano** (University at Albany), **Douglas Whittet** (Rensselaer Polytechnic Institute), **Paul Zachos** (ACASE), **Joette Steff-Mabry** (University at Albany), **Joyce Yukawa** (St. Catherine University)

GRADUATE AND POST DOCTORAL ADVISORS

Robert M. Pruzek, PhD Advisor	2007-2008	University at Albany
Joette Stefl-Mabry	2006-2008	University at Albany
Senem Guney	2007-2008	University at Albany
Daniel Suthers MS Advisor	2002-2003	University of Hawaii
Violet Harada	2002-2003	University of Hawaii