

Dr. Martin Storksdieck

Oregon State University, 301 Weniger Hall, Corvallis, OR 97331

storksdieck@oregonstate.edu – (541) 737-8666

Professional Experience

- 2014 – present **Director, Center for Research on Lifelong STEM Learning**
Professor, College of Education and School of Public Policy
Oregon State University, Corvallis, OR
Lead a cross-university research center under the university's research office. Coordinate and support research efforts at the university; provide professional development for faculty and staff; initiate leadership activities around STEM learning research; consult with university leadership and state decision-makers; initiate and conduct applied research in cooperation with national and international institutions.
- 2009 – 2014 **Director, Board on Science Education**
Director, NAS Climate Change Education Roundtable
National Research Council of the National Academy of Sciences, Washington, DC
Oversaw the portfolio of consensus studies and workshops conducted within the Board on Science Education. Worked with the Board, leaders in the science education community, federal agencies, private foundations, legislators and the administration to identify critical aspects of science education; developed these aspects into study ideas; secured resources for, and implemented appropriate studies; and disseminated results to various stakeholder communities. Coordinated Board activities with other relevant activities and projects within the Academy. Supervised professional staff.
- 2009 – 2011 **Research Fellow**
Institute for Learning Innovation, Edgewater, MD
Consulted on NSF-funded research studies in the field of informal science learning.
- 2007 – 2009 **Director of Project Development**
Institute for Learning Innovation, Edgewater, MD
Directed project development at the Institute for Learning Innovation (ILI). Developed and implemented strategic direction for institutional growth and oversaw selection of institutional project portfolio. Conceptualized, initiated and developed new projects. Oversaw about \$5 Million in grant proposal submissions annually to federal, state and private organizations. Directed and supported staff in grant development. Contributed to the leadership of ILI as member of the management team, including budgeting, staffing, policy, and strategic planning.
- 2007 – 2009 **Adjunct Instructor**
The George Washington University, Washington, DC
Co-taught a course on museum evaluation (EDUC 227) as part of the Masters Program in Museum Education.
- 2001 – 2009 **Senior Research Associate**
Institute for Learning Innovation, Edgewater, MD
Directed research and evaluation in the area of informal, free-choice and lifelong

learning, focusing on the public's understanding of, engagement with, and attitudes towards science, technology, engineering, and the environment. Supervised project teams. Utilized a broad range of methods and designs in research and evaluation. Built and sustained collaborations in learning settings of all kinds, government and funding agencies, universities, and other relevant science education organizations. Provided professional development services through workshops, seminars, and conference presentations.

Fall 2000

Adjunct Professor

Roxbury Community College, Mathematics and Science Department, Boston, MA

Taught two introductory biology courses (8 hours lecture and 4 hours laboratory per week) to a diverse group of local and immigrant students from Haiti, Nigeria, Ethiopia, Eritrea, and Russia.

1998

Adjunct Lecturer

Albert-Ludwigs-Universität Freiburg, Education Department, Freiburg, Germany

Developed and taught a hands-on seminar for undergraduate/graduate students entitled "Multimedia-based Environmental Education". Co-taught seminar on "Principles in Environmental Education".

1995 – 1998

Environmental Science Educator, Producer

Richard-Fehrenbach-Planetarium, City of Freiburg, Germany

Wrote, directed and produced multimedia shows on global environmental change topics. Presented shows to more than 12,000 visitors, including students grade 7 through 13, teachers, university students, and the general public. Developed a pilot curriculum about global environmental change for planetaria and schools. Devised pedagogy for multimedia-based environmental science education.

1993 – 1995

Research Associate, Project Manager

International Council for Local Environmental Initiatives (ICLEI), Freiburg, Germany

Organized an international conference on local environmental management systems that was attended by approximately 100 experts from 17 countries. Co-developed a municipal environmental management system based on sustainability indicators, quality targets, and environmental accounting. Devised a demonstration project to implement the system. Wrote grants to international agencies, and managed contacts to prospective funders. Represented ICLEI's environmental management division at meetings and conferences with experts and local government decision makers. Co-authored a manual on local environmental management for decision makers in Central and Eastern European municipalities.

1993 – 1994

Conference Manager

Institute for Urban Research and Structural Policy Analysis, Ltd., Berlin, Germany

Organized the 4th Congress on Environmental Impact Assessment, Municipal Environmental Planning, and Eco-Auditing, a tri-national conference attended by 800 participants. Performed research, designed and implemented the conference program, reviewed paper submissions, formed the conference management team, supervised staff and performed general management tasks.

Education

- 2005 **Ph.D. in Education**
Leuphana University, Center for Environmental and Sustainability Communication, Lüneburg, Germany
Summa cum laude. Developed and tested a constructivist model for the overall field trip experience of students and teachers in out-of-school settings for environmental science learning.
- 1999 – 2000 **Associate Fellow**
Harvard University, Belfer Center for Science and International Affairs, Cambridge, MA
Conducted literature review in support of dissertation.
- 1993 **Master in Public Administration**
Harvard University, John F. Kennedy School of Government, Cambridge, MA
Focused on environmental management, sustainable economics, and policy development. Took courses in management, finance, strategy development and assessment.
- 1991 **Master of Science in Biology, Minor in Ethnology (Diplombiologe)**
Albert-Ludwigs-Universität Freiburg, Germany
Specialized in plant biology and ecology. Topics in ethnology included economic and agricultural anthropology.
- 1987 – 1988 **Exchange Graduate Student**
University of Massachusetts, Boston, MA
Studied sustainable agriculture, economic botany, and marine ecology.
- 1987 **Bachelor of Science in Biology, Chemistry, and Physics (Vordiplom)**
Albert-Ludwigs-Universität Freiburg, Germany
With highest distinctions (top 1%).

Professional Service

Current professional service

- Co-chair, Board of Trustees for TERC (Cambridge, MA), 2016-
- Member, Board of Trustees for TERC (Cambridge, MA), 2014-2017
- Member, Board of Directors for the Citizen Science Association, 2015-2018
- Member, Executive Committee, Vice-Chair, Working Group on Grand Challenges in Engagement. Global Partnership for Science Education through Engagement (GSEE).
- Member of the Advisory Committee for the Science Leadership Initiative of the Museum of Science and Industry, Chicago.
- Member of the Advisory Board for the *MADE-CLEAR* regional (Maryland and Delaware) climate change education project.
- Member, Section Q (Education) of the American Association for the Advancement of Science.
- Member of the National Park System *Advisory Board Education Committee* (an official appointment by the National Park Service).

Past professional service

- Co-chair, 2013 Gordon Research Conference on Visualization in Science and Education.
- Vice chair, 2011 Gordon Research Conference on Visualization in Science and Education.
- Member, Editorial Board of *Assessment Tools in Informal Science*.
- Member of the US PISA Steering committee for 2015.
- Member of the Advisory Board for the *Longitudinal Study of American Youth*.
- Member, Board of Directors for the Visitor Studies Association.

University Service (OSU)

- Marine Studies Initiative, Research Subcommittee, October 2014-June 2015.
- Scientific Misconduct Investigation, OSU Research Office. July 2015 – February 2016.
- BioResource Research Major Undergraduate Review, College of Agricultural Sciences, January 25-27, 2015.
- US Student Fulbright Program. Reviewed and interviewed two OSU students; September/October 2014.
- OSU College of Engineering Strategic Planning Research Task Force, October-November 2014.

Grant Reviewer

- National Science Foundation
- Deutsche Forschungsgemeinschaft Schwerpunktprogramm 1409 “Wissenschaft und Öffentlichkeit” [German Research Council: “Science and the Public”]
- Oregon Department of Education
- Socio-Scientific Synthesis Center, Annapolis, MD

Conference Reviewer

- North American Association for Environmental Education (NAAEE) Annual Conference and Research Seminar
- Visitor Studies Association (VSA) Annual Conference
- National Association for Research in Science Teaching (NARST) Annual Conference
- Citizen Science Association Conference.

Journal Reviewer

- Science
- Science Education
- Curator – The Museum Journal
- Museum & Social Issues
- Visitor Studies
- Environmental Practice
- Environmental Education Research

- Zoo Biology
- International Journal for Science Education

Professional memberships

- North American Association for Environmental Education (Lifetime member)
- American Association for the Advancement of Science

Awards/Honors

- Fellow of the American Association for the Advancement of Science (inducted in 2013).
- National Research Council, Division of Behavioral and Social Sciences and Education. Team staff award for excellence on two projects (*A Framework for K-12 Science Education* and *Successful STEM Schools* (2011).
- Roy L. Shafer Leading Edge Award for Visitor Experiences by the Association for Science-Technology Centers in 2010, provided to the Institute for Learning Innovation for its contribution as research partner to Portal to the Public (I was the PI for the research component).
- *Summa cum laude*, doctoral dissertation, University of Lüneburg (2004).
- John F. McCloy Scholar, John F. Kennedy School of Government, Harvard University (1991-1993) – full scholarship (\$60,000).
- Scholar of the German National Scholarship Foundation (Studienstiftung des deutschen Volkes) – top 0.5% of German students (1988-1991).
- Scholarship from the State of Baden-Württemberg, Germany, to attend the University of Massachusetts (1987-1988).
- Bachelor in Science (Biology, Chemistry and Physics) was graded “with highest distinctions” (top 1%) (1987).

Grants received

1. Principal Investigator: “Collaborative Research: An Evidence-based Informal STEM Learning (ISL) Professional Framework (NSF DRL). This study, done in collaboration with the Association of Science-Technology Centers, the Pacific Science Center, the University of Washington Museology Department and the Lifelong Learning Group of the Center of Science and Industry in Columbus, OH will develop a growth and development framework for professionals working in science centers and science museums (\$272,644, 2015-2017).
2. Principal Investigator: “Successful Out-of-School STEM Learning: A Consensus Study (NSF-DRL). This study builds on a “Highly Successful K-12 STEM Schools” and explores all the resources needed to have children succeed in STEM. (\$652,088, 2013-2015).
3. Principal Investigator: “Barriers and Opportunities for Completing 2- and 4-Year STEM Degrees” (NSF-HRD/DUE, S.D. Bechtel Foundation, Alfred B. Sloan Foundation). From the perspective of students making choices, as well as institutions organizing the way 2- and 4-year educational pathways are structured, what does the empirical evidence tell us influences STEM completion? (\$1.1M, 2013-2015).
4. Principal Investigator: “The Teacher Professional Learning Continuum: A Consensus Study.” (Merck Foundation). How does the professional arc of a science teacher career look like and

- what is needed in terms of institutional support to have teachers succeed as professionals? (\$1M, 2012-2015).
5. Principal Investigator: "Leadership Support for Activities of the Board on Science Education" (NSF DRL #0843846). Support provides BOSE leadership with opportunities to assume a leadership role in the national debate about STEM education. (\$600,000, 2009-2014).
 6. Co-Principal Investigator: "Assessment of science learning in K-12" (Carnegie, Bechtel and Hewlett Foundations). The project explored appropriate strategies to assess science learning as defined by the NRC report A Framework for K-12 Science Education. (\$1M, 2012-2013).
 7. Co-Principal Investigator: "Community Colleges in the Evolving STEM Education Landscape" (NSF-DUE). PI: Jay Labov (National Academy of Sciences). This Summit with associated proceedings report explored the expanding role and significance of community colleges, and discussed some of the major challenges for embedding 2-year colleges into the larger ecology of post-secondary education and training. (\$369,500, 2011-2013).
 8. Principal Investigator: "Climate Change Education Roundtable" (NSF-DUE #956031): The Roundtable brought together experts in various disciplines related to climate change education with representatives from federal agency for a transactive dialogue on issues related to climate change education in formal and informal settings, public understanding of climate science, informing decision makers and addressing future workforce issues. (\$1,383,876, 2010-2014).
 9. Principal Investigator: "Evaluation Framework for Successful K-12 STEM Education: A Consensus Study (NSF-REESE). This study developed indicators for success towards major goals in K-12 STEM education and suggested a comprehensive monitoring system to track improvements. (\$499,929, 2012-2014).
 10. Principal Investigator: "Highly Successful K-12 STEM Schools" (NSF-REESE). This project explored strategies for providing effective STEM learning in primary and secondary education. (\$559,287, 2011-2012).
 11. Principal Investigator: "Summit on Assessment of Informal and Afterschool Science Learning" (Noyce and Moore Foundations). This summit explored appropriate ways to assess outcomes of science learning in out-of-school settings. (\$150,000, 2011-2012).
 12. Principal Investigator: "A Framework for New Science Education Standards" (Carnegie Corporation of New York). The Framework provides a vision for K-12 science education based on core ideas in the sciences and teaching and learning through scientific practices. The Framework served as the blueprint for the *Next Generation Science Standards*. (\$2.2M, 2009-2012).
 13. Co-Principal Investigator: "Sharing the Universe" (NSF-ISE # 0638873). PI: James Manning (Astronomical Society of the Pacific). This research project, conducted jointly with the Astronomical Society of the Pacific, utilized mostly ethnographic research methods, surveys and network analysis to investigate the culture of amateur astronomers who conduct education and public outreach. (\$1,605,220; 2007-2010).
 14. Co-Principal Investigator: "Portal to the Public" (NSF-ISE # 0639021). PI: Dennis Schatz/Meena Selvakumar (Pacific Science Center). This project developed and assessed a model for cooperation between research scientists and museums to bring current science to the public, using a benefit-cost model. (\$2,020,245; 2007-2010).
 15. Co-Principal Investigator: "Maya Skies" (NSF-ISE #0610253). PI: Alexandra Hall/Alexander Zwissler (Chabot Space and Science Center). This full-dome planetarium project investigated the influence of physical and cultural "immersion" on learning, using interviews, surveys and psycho-physiological data (\$2,801,309; 2007-2010).
 16. Senior Researcher: "Developing an Evaluation Tool for Environmental Field Days" (NSF-REESE # 0635559). PI: Stephan Carlson (University of Minnesota). Based on "best practices" for teaching and learning in informal science education settings, the project developed a user-friendly

observation tool that can be applied in a variety of informal science education programs, but will be particularly useful to assess “environmental field days” and similar field trip programs (\$199,514, 2006-2009).

17. Co-Principal Investigator: “Designing the Classroom of Tomorrow by Using Advanced Technologies to Connect Formal and Informal Environments (CONNECT)” (NSF-ISE #0412037). PI: Kate Haley-Goldberg. School field trips for secondary students are intensified in four science centers representing four European countries through the use of augmented reality and an internet platform. (\$125,216, 2004-2006).
18. Senior Researcher: “Investigating the Long Term Impact of a Science Center on Its Community.” (NSF-ISE #0125545). PI: John Falk. One and a half years after they were interviewed and observed during a science center visit, 50 visitors from all walks of life were interviewed in-depth and in-person to determine the role of a science center visit in the visitors’ lives (\$162,364; 2002-2004).

Publications

Journal articles

- Storksdieck, M., Shirk, J.L., Cappadonna, J.L., Domroese, M., Goebel, C., Haklay, M., Miller-Rushing, A., Roeteman, P., Sbrocchi, C., Vohland, K. (in press). Associations for citizen science: Regional knowledge, global collaboration. *Citizen Science: Theory and Practice* 1.
- Storksdieck, Martin (2015). Critical information literacy as core skill for lifelong STEM learning in the 21st Century: Reflections on the desirability and feasibility for widespread science media education. *Cultural Studies of Science Education* 11(1): 167-182. 10.1007/s11422-015-9714-4.
- Bresley, J.D., Dudo, A. & Storksdieck, M. (2015). Scientists’ Views about Communication Training. *Journal of Research in Science Teaching* 52(2): 199-220.
- Storksdieck, M. (2014). Everyone a scientist? Opening scientific research to a broader public. *ASTC Dimensions* 5/6: 27-29.
- Allen, S. & Storksdieck, M. (2013). A Review of “Putting Theory Into Practice: Tools for Research in Informal Settings (New Directions in Mathematics and Science Education, No. 25)”. *Visitor Studies* 16 (2): 226-228.
- Selvakumar, M. & Storksdieck, M. (2013). Portal to the Public: Museum educators collaborating with scientists to engage museum visitors with current science. *Curator: The Museum Journal* 56(1): 69-78.
- Yocco, V., Jones, E.C. & Storksdieck, M. (2012). Factors contributing to amateur astronomers’ involvement in education and public outreach. *Astronomy Education Review* 11(1): <http://dx.doi.org/10.3847/AER2011040>
- Heimlich, J.E, Carlson, S. & Storksdieck, M. (2011). Building face, construct and content validity through use of a modified Delphi: Adapting grounded theory to build an environmental field days observation tool. *Environmental Education Research* 17(3): 287-305.
- Carlson, S. P., Heimlich, J. E. & Storksdieck, M. (2011). Validating an Environmental Education Field Day Observation Tool. *International Electronic Journal of Environmental Education* 1(3): <http://www.iejeegreen.com/index.php/iejeegreen/article/view/24/19>
- Falk, J.H. & Storksdieck, M. (2010). Science learning in a leisure setting. *Journal of Research in Science Teaching* 47(2), 192-212.

- Doering, Z.D. & Storksdieck, M. (2010). Introducing the special issue on science [From the editors]. *Curator – The Museum Journal* 53(2): 127-128.
- DeWitt, J. & Storksdieck, M. (2008). A short review on school field trips: Key findings from the past and implications for the future. *Visitor Studies* 11(2): 181-197.
- Storksdieck, M. (2007). Using web survey in early front-end evaluations with open populations: A case study of amateur astronomers. *Visitor Studies* 10(1): 47-54.
- Heimlich, J. & Storksdieck, M. (2007). Changing thinking about Learning for a Changing World. *Southern African Journal of Environmental Education* 24: 63-75.
- Falk, J.H. & Storksdieck, M. & Dierking, L.D. (2007). Investigating public science interest and understanding: evidence for the importance of free-choice learning. *Public Understanding of Science* 16(4): 455-469.
- Anderson, D.; Kisiel, J. & Storksdieck, M. (2006). School field trip visits: understanding the teacher's world through the lens of three international studies. *Curator – The Museum Journal* 49(3): 365-386.
- Storksdieck, M. & Stein, J. (2006). What they bring with them: Museum visitors' perspectives on Evolution. *ASTC Dimensions* 3/4: 8-9.
- Storksdieck, M., Ellenbogen, K. & Heimlich, J.E. (2005). Changing Minds? Factors that influence free-choice learning about environmental conservation. *Environmental Education Research* 11(3): 353-369.
- Falk, J.H. & Storksdieck, M. (2005). Using the *Contextual Model of Learning* to understand visitor learning from a science center exhibition. *Science Education* 89: 744-778.
- Falk, J.H. & Storksdieck, M. (2005). Learning science from museums. *História, Ciências, Saúde - Manguinhos* 12 (Supplement: Sciences and Museums – 4th Science Centre World Congress Dossier): 117-144.
- Ellenbogen, K., Storksdieck, M. & Heimlich, J.E. (2003). Changing minds: Learning outcomes in environmental education. *ASTC Dimensions* 11/12: 13-15.
- Dierking, L.D.; Cohen Jones, M.; Wadman, M.; Falk, J.H.; Storksdieck, M. & Ellenbogen, K. (2002): Broadening our notions of the impact of free-choice learning experiences. *Informal Learning Review* 55, July-August 2002, pp.1, 4-7.
- Storksdieck, M. (2001). Differences in teachers' and students' museum field-trip experiences. *Visitor Studies Today!* 4 (1): 8-12.

Books

- National Research Council (2014). *Climate Change Education: Preparing Future and Current Business Leaders - A Workshop Summary*. M. Storksdieck, Rapporteur. Washington, DC: The National Academies Press.
- National Research Council (2014). *Climate Change Education: Engaging Family Private Forest Owners on Issues Related to Climate Change - A Workshop Summary*. Alexandra S. Beatty, Michael Feder, and Martin Storksdieck, Rapporteurs. Washington, DC: The National Academies Press.

Gibbs, M.G.; Berendsen, M. & Storksdieck, M. (eds.) (2007). *Science educators under the stars: Amateur astronomers engaged in education and public outreach*. San Francisco: Astronomical Society of the Pacific.

Storksdieck, M. (2006). *Field trips in environmental education*. Berlin, Germany: Berliner Wissenschafts-Verlag.

Book Chapters

Lohwater, T. & Storksdieck, M. (in review). Science Communication at Scientific Institutions. In Scheufele, D., Kahan, D.M. & Hall Jamieson, K. (eds). Handbook of the Science of Science Communication. NY: Oxford University Press.

Storksdieck, M. (2015). Transforming Undergraduate STEM Education: Responding to Opportunities, Needs and Pressures. Chapter 2 in Weaver, G.C., Burges, W.D., Childress, A.L. & Slakey, L. (eds). Transforming Institutions: Undergraduate STEM Education for the 21st Century. Purdue University Press.

DeWitt, J., & Storksdieck, M. (2015). Excursions. In *Encyclopedia of Science Education*. (pp. 415-418). Springer.

Dierking, L.D., Storksdieck, M. & Falk, J.H. (2013). Learning from neighboring fields: Conceptualizing outcomes of environmental education within the framework of free-choice learning experiences. Chapter 34 in Stevenson, R., Brody, M., Dillon, J., & Wals, A. (Eds.) (2013). International Handbook of Research on Environmental Education. Washington, DC: AERA/Routledge.

Brody, M. & Storksdieck, M. (Eds.). Evaluation of programs, materials, and technologies and the assessment of learners and learning in environmental education. Section 6: in Stevenson, R., Brody, M., Dillon, J., & Wals, A. (Eds.) (2013). *International Handbook of Research on Environmental Education*. Washington, DC: AERA/Routledge.

Storksdieck, M., Stein, J.K. & Jones, E.C. (2012). Hobbyists in the Role of Environmental Educator: The Case of Amateur Astronomy Clubs. Chapter 5 in Kopnina, H. (Ed.). Anthropology of Environmental Education. New York: Nova Science Publishers.

Storksdieck, M. & Stylinski, C.D. (2010). The role and influence of news media on public understanding of environmental issues. Chapter 8 in Stevenson, B. & Dillon, J. (eds). Engaging Environmental Education: Learning, Culture and Agency. Rotterdam (NL): Sense Publishers.

Storksdieck, M. & Berendsen, M. (2007). Attributes and practices of amateur astronomers who engage in education and public outreach. In Gibbs, M.G.; Berendsen, M. & Storksdieck, M. (eds.). Science educators under the stars: Amateur astronomers engaged in education and public outreach. pp. 31-42. San Francisco: Astronomical Society of the Pacific.

Berendsen, M. & Storksdieck, M. (2007). Knowledge of astronomy among amateur astronomers. In Gibbs, M.G.; Berendsen, M. & Storksdieck, M. (eds.). Science educators under the stars: Amateur astronomers engaged in education and public outreach. pp. 43-56. San Francisco: Astronomical Society of the Pacific.

Anderson, D., Storksdieck, M. & Spock, M. (2007). The long-term impact of museum visits. In Falk, J.H., Dierking, L.D., Ellenbogen, K & Stein, J. (eds.) In Principle-In Practice: New Perspectives on Museums as Learning Institutions. Lanham, MD: AltaMira Press.

- Storksdieck, M. (2005). Making the case for urban outreach: What can the protected areas community learn from museums? In Trzyna, T. (ed.): The Urban Imperative. Sacramento, CA: California Institute of Public Affairs, pp. 157-164. [<http://www.interenvironment.org/pa/storksdieck.htm>]
- Falk, J.H., Dierking, L.D. & Storksdieck, M. (2005). Lifelong science learning research. In J. Moon, (ed.). Informal Science Research. Washington, DC: Board on Science Education, National Academy of Science. www7.nationalacademies.org/bose/Informal_Science_John_Falk_Think_Piece.pdf
- Storksdieck, M. & Falk, J.H. (2004). Evaluating public understanding of research projects and initiatives. In Chittendan, D., Farnelo, G. & Lewenstein, B.V. (eds.): Creating Connections – Museums and the public understanding of research, pp. 87-108. Walnut Creek, CA: AltaMira Press.
- Storksdieck, M. (1999). Das McCloy Programm: Idee und Ideologie. Drei kritische Anmerkungen eines Teilnehmers [The McCloy Program: idea and ideology. Three critical remarks of an alumnus]. In Lorenz, S. & Machill, M. (eds.). Transatlantik. Transfer von Politik, Wirtschaft und Kultur. Opladen: Westdeutscher Verlag.
- Storksdieck, M. (1998). Sonne, Klima, Mensch kompakt [Sun, climate, men condensed]; hyperlinked chapter in Öko-Institut e.V. (ed.): Thermische Solaranlagen—Marktübersicht [Solar thermal systems: A consumer guide]. CD-ROM, Freiburg, Germany: Öko-Institut.
- Storksdieck, M. (1994). Environmental management instruments and tools. In Otto-Zimmermann, K. (ed.): ICLEI's Guide to Environmental Management for Local Authorities in Central and Eastern Europe, Volume 5. ICLEI: Freiburg.
- Storksdieck, M. & Peters, H.-J. (1994). Regulatory instruments for implementing environmental policy. In Otto-Zimmermann, K. (ed.): ICLEI's Guide to Environmental Management for Local Authorities in Central and Eastern Europe, Volume 7. ICLEI: Freiburg.
- Bretschneider, J. & Storksdieck, M. (1994). Conflict resolution, consensus seeking and mediation. Chapter 5 in Otto-Zimmermann, K. (ed.): ICLEI's Guide to Environmental Management for Local Authorities in Central and Eastern Europe, Volume 8 (Communicative Instruments and Public Participation in Environmental Management). ICLEI: Freiburg.
- Bretschneider, J, Otto-Zimmermann, K. & Storksdieck, M. (1994). Institutional conditions for local environmental management. In Otto-Zimmermann, K. (ed.): ICLEI's Guide to Environmental Management for Local Authorities in Central and Eastern Europe, Volume 3. ICLEI: Freiburg.
- Champness, J. & Storksdieck, M. (1994). Internal environmental management for local authorities. In Otto-Zimmermann, K. (ed.): ICLEI's Guide to Environmental Management for Local Authorities in Central and Eastern Europe, Volume 9. ICLEI: Freiburg.

Proceedings

- Manning, J.G; Gurton, S.; Hurst, A.; Berendsen, M.; Storksdieck, M.; Haley-Goldman, K.; Stein, J.K.; Pompea, S.; Garmany, C.; Sparks, R. & Pollock, W. (2007). Interactions and interventions: Current research on improving informal astronomy education via the Astronomical Society of the Pacific (ASP). American Astronomical Society Meeting #211 (#31.03). *Bulletin of the American Astronomical Society* 39(4): 783.
- Storksdieck, M., Robbins, D. & Kreisman, S. (2007). Results from the Quality Field Trip Study: Assessing the LEAD program in Cleveland, Ohio. Summit Proceedings. Cleveland, OH: University Circle Inc.

- Storksdieck, M., Heimlich, J.E., & Muscat, A.M. (2006). Differences in visitor and resident conservation awareness and knowledge on Santa Catalina Island. Proceedings of the 2006 Annual Meeting of the National Association for Research in Science Teaching (NARST), San Francisco, CA, April 3-6, 2006.
- Haley Goldman, K. & Storksdieck, M. (2004). Free-choice learning in the digital age: Challenges and chances for school-museum cooperations. In Sotiriou, S. (ed.): Advanced Technologies in Education. Proceedings of the international symposium "Designing the Science Laboratory for the School of Tomorrow." Kefalonia, Greece, 4-6 July, 2004, pp. 61-72. Athens, Greece: Ellinogermaniki Agogi.
- Storksdieck, M. (2004). Teachers' perceptions and practice surrounding a field trip to a planetarium. Proceedings of the 2004 Annual Meeting of the National Association for Research in Science Teaching (NARST), Vancouver, BC, Canada, April 1-3, 2004.
- Storksdieck, M.; Pragoff, D. & Streett, K. (2003). Outdoor education for urban students: Using peer-teaching as a means to engage inner-city youth with nature. In Adkins, C.R. (ed). Proceedings. Thinking Globally While Acting Culturally. (NAAEE 32nd Annual Conference, Anchorage, Alaska). Rock Spring, GA: North American Association for Environmental Education, pp. 298-305.
- Storksdieck, M. (2001). Environmental attitudes shape field trip experiences. In Smith-Sebasto, N.J. (ed.): 2001: An EE Odyssey. Exploring Capacity, Community, Complexity & Culture. Selected Papers. Conference Proceedings (30th Annual NAAEE Conference, Little Rock Arkansas). Rock Spring, GA: North American Association for Environmental Education, pp. 43-46.
- Storksdieck, M. (1998). Multimedia-based environmental science education: From local use to broad dissemination. ED-MEDIA - The World Conference on Educational Multimedia and Hypermedia, Freiburg, 23.-25. June 1998, Proceedings: 1844-45.

Other scholarly publications

- Adams, J.; Bell, J.; Crowley, K.; DeWitt, J.; Kanter, D.; Storksdieck, M.; Toro, S.; and Zimmerman, H.T. (2014). Informal STEM Learning: A Roadmap For Research and Practice (Guest Editorial submitted to the *Journal of Research in Science Teaching*.
http://www.informalscience.org/sites/default/files/CAISE_PAR_Roadmap.pdf
- Carlson, S.P.; Heimlich, J.E.; Storksdieck, M. & Mayer, N. (2009). *Best Practices for Field Days Assessment Tool and Observation Protocol*. University of Minnesota Extension Publication #08653 (www.extension.umn.edu/fielddays).
- Storksdieck, M. (2000). "Green" labeling for college-level environmental education? *Environmental Communicator* 30(4), p. 12.
- Storksdieck, M. (1997). Planetarium und Ökostation Freiburg: "Vom Blauen Planeten ins Grüne Klassenzimmer." [Planetarium and eco-station Freiburg: from the Blue Planet to the Green Classroom]. *ökopädNews* 78: 3-4.
- Storksdieck, M. (1995). Die dicksten Kartoffeln...ernten auch nach der Konferenz von Nassau die Konzerne des Nordens. *blätter des iz3w* 204: 48-49.
- Storksdieck, M.; Bretschneider, J. & Otto-Zimmermann, K. (1993). *Local Environmental Budgeting: an innovative comprehensive tool towards sustainable development at the municipal level*. ICLEI Discussion Paper. Freiburg: ICLEI.

Presentations and panels (selection, not updated for 2015/16)

- Storksdieck, M. (2014). Cultivating a STEM-Ready Society. Public Lecture, Oregon State University, Corvallis, OR, 31 October 2014.
- Storksdieck, M. (2014). How to prepare graduate students for success? Invited Plenary Talk at the BEST kick-off meeting at Cornell University, Ithaca, 18 March 2014.
- Storksdieck, M. (2014). What is gifted in light of changes to K-16 science education? Featured Presentation at the Eleventh Biennial Henry B. & Jocelyn Wallace National Research & Policy Symposium on Talent Development, Arlington, VA, March 23-25, 2014
- Storksdieck, M. (2014). Creating an Ecosystem for Science Learning In and Out of School (Organizer – with D. Schatz, Moderator). AAAS, Chicago, IL, February 14-17, 2014.
- Storksdieck, M. (2014). How to Rebuild Informed Trust in Science: Insights from Social Sciences (Discussant). AAAS, Chicago, IL, February 14-17, 2014.
- Storksdieck, M. (2013). Science Engagement at the US National Academy of Sciences. GSEE/Asia Founding Summit, Kyoto. JP, October 20-23, 2013.
- Storksdieck, M. (2013). Undergraduate Science Education at a Crossroad: Responding to Research Findings. Chair/Moderator. AAAS, Boston, February 15-18, 2013.
- Storksdieck, M. (2013). New Tools to Engage Publics and Assess the Impact of Science Communication. AAAS, Boston, February 15-18, 2013.
- Defining Impacts and Outcomes of STEM Learning in Afterschool. Afterschool Alliance Annual Conference. Washington, DC. May 8, 2012.
- Evaluating Public Communication of Science at the Individual, Workshop and Regional Level. 12th International Public Communication of Science and Technology Conference, that will be held in Florence, Italy, April 18th - 20th, 2012.
- Discussant in session: Understanding Emerging Opportunity Structures in STEM Education: Research Efforts to Explore School-Level Innovations. AERA, Vancouver, Canada, April 14-16, 2012.
- Storksdieck, M. (2013). Public Perceptions of Climate Change. AERA, Vancouver, Canada, April 14-16, 2012.
- Valadez, J. & M. Storksdieck: Successful K-12 STEM education: identifying effective approaches in STEM. NSTA, Indianapolis, IN, March 29-31, 2012.
- Storksdieck, M. (2013). Next Generation Science Standards: Tracking the Federal Research Agenda. NARST, March 26, 2012.
- Co-organizer (with Mark McCaffrey, Tamara Ledley, Stephanie Pfirman): The Climate and Energy Literacy Initiative: A Strategic Planning Summit. The Brower Center, Berkeley, CA, December 7-9, 2012.
- Storksdieck, M.: Trans- and Interdisciplinarity in K-14 Climate Change Education: Trends Emerging from Recent Reports by the National Research Council. AGU, December 3-6, 2012.
- Invited talk: The Changing Demands on STEM Education and Outreach at American Research Universities. The Reinvention Center, Arlington, VA, November 9, 2012.
- Staveloz, W., Friedman, A., Storksdieck, M., Pruitt, S. & Schatz, D.: Science Standards and Science Museums: Where are we going? ASTC, Columbus, OH, October 2012.

Opening address at SENCER Summer Institute in Santa Clara, CA, August 2-4, 2012.

Invited Keynote: IAMSTEM Summit, UC Davis, June 8, 2012.

Invited Presentation: Sackler Colloquium on the Science of Science Communication. Washington, DC, May 21-22, 2012.

Storksdieck, M. (2012). Increasing motivation and interest in science and engineering by redefining school-based learning. Society for Research on Adolescence Annual Meeting. Vancouver, BC, March 8-10, 2012.

Storksdieck, M., Stein, J.K. & Jones, E.C. (2012). The roles of citizen science and serious leisure in public engagement with science. AAAS, Vancouver, BC, February 17-21, 2012.

The Role of Standards in Achieving Science Literacy: A Multi-Country Perspective. AAAS, Vancouver, BC, February 17-21, 2012.

Storksdieck, M. (2012). What informal science educators should know about the new vision for K-12 science education. Keynote given at the Texas Informal Science Educator Association Conference, Van, TX, February 15-17, 2012.

Storksdieck, M. (2011). Improving Postsecondary STEM Education Based on Research Evidence. Transforming STEM Education: From Innovation to Implementation. Perdue University, October 10-12, 2011.

Storksdieck, M. (2011). STEM Everywhere: Out-of-school Learning. Panelist at STEM Smart: Lessons Learned from Successful Schools. A Conference Hosted by the National Science Foundation at Drexel University, Philadelphia, September 19, 2011.

Jones, E.C., Storksdieck, M., Johnson, E., Stein, J.K., Figueiredo, C. & Berendsen, M. (2011). Amateur Astronomers as Educators: An Ethnographic Study of Club Culture. Astronomical Society of the Pacific Annual Meeting, Baltimore, MD, July 30-August 3, 2011.

Keynote: Storksdieck, M. (2011). Chemistry in the public mind: perception, learning and emotion. GRC Conference on Chemistry Education Research & Practice, Foundations and Frontiers, Davidson College, Davidson, NC, June 26-July 1, 2011.

Keynote: Storksdieck, M. (2011). Selling Sound Science: Kindergartner to Policymaker. Featured Speech at the 2011 Ground Water Summit and 2011 Ground Water Protection Council Spring Meeting in Baltimore, MD, May 1-5, 2011.

Storksdieck, M. (2011). What does it mean to be scientifically literate in today's world of ready, abundant and questionable information? Invited presentation at Oregon State University, Corvallis, OR, April 29, 2011.

Storksdieck, M. (2011). Citizen Science and Science Education: What Do People Learn When They Do? AAAS, Washington, DC, February 17-21, 2011.

Storksdieck, M. (2011). New science education standards on the horizon: what does it mean for science educators? Invited presentation at the California State University Long Beach, February 15, 2011.

Weiss, M., Evans, E. M., Lane, J. D., Storksdieck, M. & Palmquist, S. (October, 2010). If we build it will they learn? Presented at the Annual Meeting of the Association of Science and Technology Centers, Hawaii.

Storksdieck, M. (2010). Learning About Evolution in an Informal Setting: Implications for Lifelong Learning. AAAS, San Diego, CA, February 18-22, 2010.

Note: conferences for 2010 and the second half of 2009 are not recorded here.

- Stylinski, C. & Storksdieck, M. (2009). What does the public learn from the media about sustainable agriculture? Breakout session at The American Institute of Biological Sciences Annual Meeting, Arlington, VA, May 18-19, 2009.
- Stylinski, C. & Storksdieck, M. (2009). News media and informal learning of environmental issues. Cary Conference XIII (Effective Communication of Science in Environmental Controversies), Millbrook, NY, May 5-8, 2009.
- Storksdieck, M.; Reidell, A. & Lind, T. (2009). Mixing It Up: Engaging Visitors Through Cross-Disciplinary Exhibits. Panel Discussion, American Association of Museums Annual Meeting and Expo, Philadelphia, April 30-May 4, 2009.
- Hayward, M.; Lombardo, B.; Cohen, M.; Storksdieck, M. & Mauriello, E. (2009). The Emerging Digital Museum. Panel Discussion, American Association of Museums Annual Meeting and Expo, Philadelphia, April 30-May 4, 2009.
- Stylinski, C.D.; Storksdieck, M., Falk, J.H. & Fraser, J. (2009). News Media Impacts on Public Understanding of Science. Strand Invited Symposium at the NARST Annual International Conference, Garden Grove, CA, April 17-21, 2009.
- Storksdieck, M. Ashley, C. & Mendez, A. (2008). The role of culture and worldviews in science learning. Association of Science-Technology Centers Annual Conference, Philadelphia, PA, October 18-21, 2008.
- Weiss, M.; Storksdieck, M.; Campbell, E. & Evans, E.M. (2008). Visitors and scientists: Are they speaking the same language? Association of Science-Technology Centers Annual Conference, Philadelphia, PA, October 18-21, 2008.
- Motto, A.; Wesi, R.; Alonzo, J.; Bowers, M. & Storksdieck, M. (2008). The 4th Annual Inquiry Fashion Show. Association of Science-Technology Centers Annual Conference, Philadelphia, PA, October 18-21, 2008.
- Carlson, S.; Storksdieck, M. & Heimlich, J.E. (2008). Developing a "Best Practices for Field Days" assessment tool. 37th NAAEE conference, Wichita, KS, October 15-18, 2008.
- Stylinski, C. & Storksdieck, M. (2008). News media impacts on public understanding and attitude about environmental issues. The 93rd ESA Annual Meeting, Wilwaukee, WI, August 3 - 8, 2008).
- Evans, E.M.; Weiss, M.; Koke, J.; Storksdieck, M. & Kennedy, J. (2008). Conversations across disciplines: From theory to practice – The Spiral Model. 21st Annual Visitor Studies Association Conference, Houston, TX, July 16 - 19, 2008.
- DeWitt, J.; Randol, S. & Storksdieck, M. (2008). What's really going on here? Using triangulation to investigate questions of interest 21st Annual Visitor Studies Association Conference, Houston, TX, July 16 - 19, 2008.
- Storksdieck, M. (2008). Many came, and some came back – reaching and retaining underserved audiences. American Association of Museums Annual Meeting and Expo, Denver, April 27-May 1, 2008. [<http://www.netsymposium.com/index.php?select=product&data=24472>]

- Koke, J.; Evans, E.M.; Rand, J.; Storksdieck, M. & Weiss, M. (2008). Visitors and scientists: Are they speaking the same language? American Association of Museums Annual Meeting and Expo, Denver, April 27-May 1, 2008.
- Storksdieck, M. (2008). Building a quality field trip teacher survey instrument. NARST Annual International Conference, Baltimore, MD, March 30-April 2, 2008.
- Falk, J.H. & Storksdieck, M. (2008). Science learning in a leisure setting. NARST Annual International Conference, Baltimore, MD, March 30-April 2, 2008.
- Carlson, S.P.; Heimlich, J. Storksdieck, M. & Tanner, D. (2008). Best practices for field days assessment tool. NARST Annual International Conference, Baltimore, MD, March 30-April 2, 2008.
- Storksdieck, M. (2008). The public understanding of evolution and how attitudes change. American Association for the Advancement of Science. Boston, February 15-18, 2008.
- Stylinski, C.; Storksdieck, M.; Heimlich, J.E. & Bronnenkant, K. (2007). Using news media for environmental learning and behavior change. 4th NAAEE Research Symposium, November 12-13, 2007, Virginia Beach, VA.
- Storksdieck, M.; Stylinski, C.; Heimlich, J.E. & Bronnenkant, K. (2007). Using news media for environmental learning and behavior change. Symposium at the Annual NAAEE Conference, November 14-17, 2007, Virginia Beach, VA.
- Flanagan, C, & Storksdieck, M. (2007). Understanding your audience – The key to effective Interpretive Master Planning. American Public Gardens Association 2007 Education Symposium on Interpretive Master Planning. October 22-24, 2007, San Diego, CA.
- Schatz, D.; DeWitt, J.; Storksdieck, M.; DeFrancis, G. & Sedzielarz, M. (2007). Educationally Effective Field Trips, Part 1: Bridging Research and Practice. Association of Science-Technology Centers Annual Conference, Los Angeles, CA, October 12-16, 2007.
- Burtnyk, K.; Kisiel, J.; Anderson, D. & Storksdieck, M. (2007). Figuring out what works—Examining the role of vision and culture in developing effective field trip experiences. Association of Science-Technology Centers Annual Conference, Los Angeles, CA, October 12-16, 2007.
- Borun, M.; Reich, C.; Storksdieck, M.; Dietrich, R. & Israel, E. (2007). Issues in Audience Research and Evaluation. Association of Science-Technology Centers Annual Conference, Los Angeles, CA, October 12-16, 2007.
- Falk, J., Storksdieck, M., & Stein, J. (2007). Visitor Identity-Related Motivations: An exploration of the theory, findings and potential of this research construct for understanding visitor learning and for promoting more effective use of museum resources. 20th Annual Visitor Studies Association Conference, Ottawa, Ontario, Canada, July 17 - 21, 2007, Columbus, OH: Visitor Studies Association. [http://www.informalscience.org/knowledge/citation_view.php?refID=5380]
- Storksdieck, M. (2007). Using the visitor identity-related motivations scale to improve visitor experiences at the U.S. Botanic Garden. Visitor Studies Conference, Ottawa, CN, July 19-21, 2007.
- Heimlich, J.E. & Storksdieck, M. (2007). Measures of success: Two approaches to developing observation tools for judging the educational value of field trips and field days. Visitor Studies Conference, Ottawa, CN, July 19-21, 2007. [http://www.informalscience.org/knowledge/citation_view.php?refID=5360]
- Storksdieck, M. (2007). Evaluating visualizations in free-choice settings. Gordon Research Conference, Bryant University, Smithfield, RI, July 1-6, 2007.

- Manning, J.G.; Gurton, S.; Hurst, A.; Berendsen, M.; Storksdieck, M.; Haley-Goldman, K.; Stein, J.; Pompea, S.; Garmany, C; Sparks, R. & Pollock, W. (2007). Interactions and Interventions: Current Research on Improving Informal Astronomy Education via the Astronomical Society of the Pacific (ASP). *Bulletin – American Astronomical Society* 39(4): 031.03.
- Barnett, A.; Wyatt, R.; Beining, D.; Storksdieck, M. & Yu, K. (2006). Understanding the audience potential of FullDome digital video. Association of Science - Technology Centers Annual Conference, Louisville, KY, October 28-31, 2006.
- Bennett, M.; Pompea, S.M.; Zevin, D.; Storksdieck, M.; Gurton, S.; Pollock, W. & Rubin, A. (2006). Making the best of both: Professional development, onsite and online. Association of Science - Technology Centers Annual Conference, Louisville, KY, October 28-31, 2006.
- Storksdieck, M. & Heimlich, J. (2006). The strength of our beliefs: how personal filters influence environmental learning. 3rd Annual NAAEE Research Symposium, October 9-10, 2006.
- Storksdieck, M. & Koke, J. (2006). Boys and girls: how to interpret the differences. 3rd Annual NAAEE Research Symposium, October 9-10, 2006.
- Storksdieck, M.; Ardoin, N. & Meyers, R. (2006). Bridging educational insights: Comparing our philosophies of education. 3rd Annual NAAEE Research Symposium, October 9-10, 2006.
- Heimlich, J.E. & Storksdieck, M. (2006). Guiding change with visitor data: Insights from two case studies. Visitor Studies Conference, Grand Rapids, MI, July 25-29, 2006.
- Grack Nelson, A.; Ellenbogen, K.; Rowe, S.; Phipps, M.; Storksdieck, M. & Bronnenkant, K. (2006). Beyond Oohs and Aahs: Using evaluation to help visitors understand complex scientific visualizations. Visitor Studies Conference, Grand Rapids, MI, July 25-29, 2006.
- Storksdieck, M.; Falk, J. H. & Witgert, N. (2006). Why they came and how they benefited: Results of 52 in-depth interviews conducted 18 months after a science center visit. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Storksdieck, M., Heimlich, J.E., & Muscat, A.M. (2006). Differences in visitor and resident conservation awareness and knowledge on Santa Catalina Island. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Storksdieck, M., Kaul, V. & Werner, M. (2006). Tackling it together: Local partnerships to improve field trip experiences. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Rosenfeld, S., J. Griffin, S. Commisso, T. M Kahn, V. Kaul, L. Kelley, N. Maoz, S. Rockman, M. Storksdieck, and M. Werner (2006). Varieties of formal-informal science learning environments: Perspectives of different stakeholders. NARST 2006 Annual Meeting, San Francisco, CA, April 3-6, 2006.
- Storksdieck, M., Heimlich, J.E., Muscat, A.M. & Barlage, J. (2005). Island conservation stakeholders: A triangulated opinion study. NAAEE 2nd Annual EE Research Symposium, Albuquerque, NM, October 24-25, 2005.
- Storksdieck, M., Heimlich, J.E., Muscat, A.M. & Barlage, J. (2005). Catalina Island: Balancing conservation and human needs. 34th NAAEE conference, Albuquerque, NM, October 25-29, 2005.
- Heimlich, J. E., Storksdieck, M., Barlage, J. & Muscat, A. M. (2005). Balancing conservation and human needs: An example using Santa Catalina Island. 3rd World Environmental Education Congress, October 2-6, Torino, Italy.

- Muscat, A.M., Heimlich, J.E. & Storksdieck, M. (2005). Using social science research to balance conservation and human needs on Santa Catalina Island. 19th Annual Meeting of the Society for Conservation Biology. Brasília, Brazil, 15-19 July, 2005.
- Storksdieck, M. (2005). Understanding stakeholders in the "field trip system." Association of Science - Technology Centers Annual Conference, Richmond, VA, October 15-18, 2005.
- Storksdieck, M., Kaul, V. & Werner, M. (2005). Results from the Quality Field Trip Study. Association of Science - Technology Centers Annual Conference, Richmond, VA, October 15-18, 2005.
- Storksdieck, M. (2005). Why are they here? Understanding the teachers' agenda. ECSITE Annual Conference – 2005, Vantaa, Finland, 10-12 June 2005.
- Storksdieck, M. (2005). Using a broad web survey in program development. Visitor Studies Conference, Philadelphia, PA, August 2-6, 2005.
- Storksdieck, M.; Falk, J. H. & Witgert, N. (2004). "Levels of Self" and the many meanings of a science center visit within visitors' lives, Visitor Studies Conference, Albuquerque, NM, August 3-7, 2004.
- Alpert, C. L. & Storksdieck, M. (2004). Current Science & Technology: What's working & what's not. Association of Science - Technology Centers Annual Conference, San Jose, CA, September 18-21, 2004.
- Storksdieck, M., Alpert, C. L., Weiss, A. & Tanguay, M. (2004). Summative evaluation findings: Current Science & Technology Center (CS&T), Museum of Science, Boston. Association of Science - Technology Centers Annual Conference, San Jose, CA, September 18-21, 2004.
- Falk, J. H. & Storksdieck, M. (2004). The Self as lens: The personal meaning of a science center visit. Association of Science - Technology Centers Annual Conference, San Jose, CA, September 18-21, 2004.
- Storksdieck, M. & Kisiel, J. (2004): Interest and information - A traveling exhibition on dogs questions basic assumptions about visitors, Visitor Studies Conference, Albuquerque, NM, August 3-7, 2004.
- Storksdieck, M. (2004): Teachers' perceptions and practice surrounding a field trip to a planetarium. NARST 2004 Annual Meeting, Vancouver, BC, April 1-3, 2004.
- Storksdieck, M., Werntz, K., Streett, K. & Pragoff, D. (2004). Outdoor education for urban students: Teaching about nature is about teaching, not nature. Presentation at the NARST 2004 Annual Meeting, Vancouver, BC, April 1-3, 2004
- Storksdieck, M. Streett, K. & Levine, S. (2004). Learning about nature through teaching: A comparative study. NAAEE Annual Conference 2004, November 6-10, 2004, Biloxi, MS.
- Street, K., Levine, S. & Storksdieck, M. (2004). Making natural connections to your schoolyard. NAAEE Annual Conference 2004, November 6-10, 2004, Biloxi, MS.
- Storksdieck, M. & Falk, J.H. (2003). After 18 Months: What determines self-perceived and measured long-term impact of a visit to a science exhibition? Visitor Studies Conference, Columbus, OH, July 15 - 19, 2003.
- Storksdieck, M. (2002). Differences in teachers' and students' museum field-trip experiences. NARST 2002 Annual Meeting, New Orleans, LA, April 6-9, 2002.
- Falk, J.H. & Storksdieck, M. (2002). A multi-factor investigation of variables affecting free-choice science learning. NARST 2002 Annual Meeting, New Orleans, LA, April 6-9, 2002.

- Falk, J.H. & Storksdieck, M. (2002). A multi-factor investigation of learning from museum exhibitions. Visitor Studies Conference, Cody, WY, August 13-17, 2002.
- Storksdieck, M. (2001). Global environmental change education at a planetarium. Visitor Studies Conference, Orlando, FL, July 31 - August 4, 2001.
- Storksdieck, M. (2001). How teachers handle field trips: Results of a qualitative study. Visitor Studies Conference, Orlando, FL, July 31 - August 4, 2001.
- Storksdieck, M. (2000). Your best work may not be enough: Contextual aspects of "successful" field trips. Visitor Studies Conference, Boston/Cambridge, MA, August 5 - 9, 2000.
- Storksdieck, M. & Otto-Zimmermann, K. (1994). Local Environmental Budgeting. First International Expert Seminar: Advanced Environmental Management Tools and Environmental Budgeting at the Local Level, Freiburg, March 14-16, 1994.

Technical Reports (selection)

- Carlson, S. P., Heimlich, J. E., Storksdieck, M. & Meyer, N. (2009). *Best Practices for Field Days: Assessment Tool and Observation Protocol*. U on MN Extension, #08653.
- Stein, J.K. & Storksdieck, M. (2008). *U.S. Botanic Garden Visitor Research Study*. Edgewater, MD: Institute for Learning Innovation.
- Institute for Learning Innovation (2007). *Evaluation of learning in informal learning environments*. Washington, DC: National Research Council. [Jointly authored with Lynn D. Dierking and John H. Falk]
- Koke, J. & Storksdieck, M. (2007). *Life Changes front end study B: Visitor response to Big Idea and expectations*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. & Koke, J. (2007). *Life Changes formative study A: Testing a narrative and story-telling*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. & Foutz, S. (2007). *Museum of Science and Industry, Chicago: Science Storms Front-End Evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. & Foutz, S. (2007). *Museum of Science and Industry, Chicago: Body Human Front-End Evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Stein, J.K. & Dancu, T. (2006). *Summative evaluation: Current (health) science at the Current Science & Technology Center, Museum of Science, Boston*. Annapolis, MD: Institute for Learning Innovation. http://informalscience.org/images/evaluation/report_224.PDF
- Storksdieck, M. & Yu, K. C. (2006). *Meta!Blast Front-End Visitor Survey: Summary of Results*. Institute for Learning Innovation & Denver Museum of Nature & Science. [http://www.dmns.org/media/367267/tr2006-2.pdf]
- Storksdieck, M., Werner, M. & Kaul, V. (2006). *Results from the Quality Field Trip Study: Assessing the LEAD program in Cleveland, Ohio*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. & Oberg, C. (2006). *sLowlife: A traveling exhibit of plant science and art*. Summative Evaluation Report. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. (2005). *Planet Quest Toolkit and the Night Sky Network: Results of an online survey of users and club coordinators (ASP/JPL/NASA)*. Annapolis, MD: Institute for Learning Innovation.

- Storksdieck, M. (2005). *Planet Quest Toolkit and the Night Sky Network: Outcomes/impact of a public outreach initiative targeting amateur astronomers*. Summative Evaluation Interim Report (ASP/JPL/NASA). Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. (2005). *Results of a front-end evaluation for an outreach toolkit on the solar system (ASP/JPL Solar System Exploration Forum /NASA)*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Dierking, L.D., Haley Goldman, K., Foutz, S., Wadman, M. & Kessler, C. & (2005). *New Jersey State Aquarium, The Academy of Natural Sciences, The Franklin Institute Science Museum, The Philadelphia Zoo: Families Exploring Science Together (FEST) - Summative evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. & Stein, J.K. & Werner, M. (2005). *Irvine Nature Center's Natural Connections: Summative evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Foutz, S. & Storksdieck, M. (2005). *Summative evaluation for the StarNet Project, University of Washington's Department of Genome Sciences, Education Outreach*. Annapolis, MD: Institute for Learning Innovation.
- Heimlich, J.E., Storksdieck, M., Barlage, J., Owens Renner, N. & Falk, J.H. (2005). *Community and conservation: A comprehensive study of Catalina Island's conservation stakeholders*. Annapolis, MD: Institute for Learning Innovation.
- Stein, J.K & Storksdieck, M. (2005). *Life Changes museum visitor survey: Summary of results*. Annapolis, MD: Institute for Learning Innovation
- Storksdieck, M. & Barlage, J. (2004). *Irvine Nature Center's Natural Connections: Year 3 evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Foutz, S., Kessler, C. & Burtnyk, K. (2004). *Summative evaluation: California Science Center's Air & Space Gallery*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Haley Goldman, K., Foutz, S., Wadman, M., Kessler, C. & Dierking, L.D. (2004). *New Jersey State Aquarium, The Academy of Natural Sciences, The Franklin Institute Science Museum, The Philadelphia Zoo: Families Exploring Science Together (FEST) - Summative evaluation [Part 1: Immediate Findings]*. Annapolis, MD: Institute for Learning Innovation.
- Dancu, T. & Storksdieck, M. (2004). *New Jersey Academy of Aquatic Sciences' C.A.U.S.E. Summer Camp Year 3 formative evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Foutz, S. & Storksdieck, M. (2004). *Project year 4 evaluation for the StarNet project, University of Washington's Department of Genome Sciences, Education Outreach*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Bronnenkant, K., Kessler, C. & Dierking, L.D. (2003). *The National Museum of Natural History's Global Links/Forces of Change: Summative exhibition evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Kidwell, M. & Cohen Jones, M. (2003). *Summative evaluation of the GENETICS project, University of Washington's Department of Genome Sciences, Education Outreach*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. & Tanguay, M. (2003). *Museum of Science, Boston, formative evaluation of Current Science Theater/Forums: Current Science & Technology Center, Museum of Science, Boston*. Annapolis, MD: Institute for Learning Innovation.

- Storksdieck, M. & Werntz, K.M. (2003). *New Jersey Academy of Aquatic Sciences' C.A.U.S.E. summer camp year 2 formative evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Cohen Jones, M. & Storksdieck, M. (2003). *Project year 3 evaluation for the StarNet project, University of Washington's Department of Genome Sciences, Education Outreach*. Annapolis, MD: Institute for Learning Innovation.
- Werntz, K.M., Storksdieck, M. & Heimlich, J.E. (2003). *Irvine Nature Center's Natural Connections: Year 2 evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M. (2002). *Irvine Natural Science Center's Natural Connections: Year 1 evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Cohen Jones, M., Falk, J.H. & Alpert, C.L. (2002). *Public understanding of science: A literature review*. Annapolis, MD/Boston, MA: Institute for Learning Innovation and Museum of Science.
- Storksdieck, M., Dierking, L.D., Wadman, M., & Cohen Jones, M. (2002). *Amateur astronomers as informal science ambassadors: Results of an online survey*. Annapolis, Maryland: Institute for Learning Innovation. Available at http://www.astrosociety.org/education/resources/ResultsofSurvey_FinalReport.pdf.
- Storksdieck, M., Haley Goldman, K. & Cohen Jones, M. (2002). *Impact of the New York Hall of Science Career Ladder Program on its former participants*. Annapolis, MD: Institute for Learning Innovation.
- Storksdieck, M., Haley Goldman, K., Hendrix, M. Dierking, L.D. (2002). *New Jersey State Aquarium, The Academy of Natural Sciences, The Franklin Institute Science Museum, The Philadelphia Zoo: Families Exploring Science Together (FEST) - Year 2 evaluation*. Annapolis, MD: Institute for Learning Innovation.
- Cohen Jones, M. & Storksdieck, M. (2002). *Year 3 evaluation of the GENETICS project, University of Washington's Department of Genome Sciences, Education Outreach*. Annapolis, MD: Institute for Learning Innovation.
- Coulson, D., Cohen Jones, M. & Storksdieck, M. (2001). *High school teacher workshops evaluation [GENETICS project, University of Washington's Department of Genome Sciences, Education Outreach]*. Annapolis, MD: Institute for Learning Innovation.
- Custard, P.T., Dierking, L.D. & Storksdieck, M. (2001), *Koshland Science Museum front-end evaluation*. Annapolis, MD: Institute for Learning Innovation.