

Publications

- DeSchryver, M. (in preparation). Web-mediated creative synthesis. Abstract accepted for special issue of Technology, Instruction, Cognition, and Learning.
- DeSchryver, M. & Spiro, R. (in preparation). CFT on the Web: Illustrated theoretical cognitive and metacognitive processes for advanced nonlinear knowledge acquisition of ill-structured topics of ill-structured topics.
- DeSchryver, M. (2017). Using the web as a higher order thinking partner: Case study of an advanced learner creatively synthesizing knowledge on the web. *Journal of Educational Computing Research*, 55(2), 240-271.
- Plevinski, J., Weible, J., & DeSchryver, M. (2017). *Anchored annotation to support collaborative knowledge construction*. Philadelphia, PA: International Society of the Learning Sciences.
- DeSchryver, M. (2016). The Web as a creative thinking partner. *eLearn*, 2016(12), 1.
- DeSchryver, M. (2015a). Higher-order thinking in an online world: Toward a theory of web-mediated knowledge synthesis. *Teachers College Record*, 117(3), 1-44.
- DeSchryver, M. (2015b). Web-mediated knowledge synthesis for educators. *Journal of Adolescent and Adult Literacy*, 58(5), 388–396.
- DeSchryver, M., Yadav, A. (2015) Creative and computational thinking in the context of new literacies. Working with teachers to scaffold complex technology-mediated approaches to teaching and learning. *Journal of Technology and Teacher Education*, 23(3), 411-431.
- Henriksen, D., DeSchryver, M., & Mishra, P. (2015). Transform and transcend: Synthesis as a trans-disciplinary approach to thinking and learning. *TechTrends*, 59(4), 5-9.
- Spiro, R. J., DeSchryver, M., Hagerman, M. S., Morsink, P. M., & Thompson, P. (Eds.). (2015). *Reading at a crossroads? Disjunctures and continuities in current conceptions and practices*. New York, NY: Routledge.
- DeSchryver, M., Leahey, S. Koehler, M., Wolf, L. (2013). Technology, learning, creativity, and design: The habits of mind necessary to generate new ways of teaching in a career of constant change. *Tech Trends*, 57(3), 40-46.
- Koehler, M. J., Mishra, P., Bouck, E. C., DeSchryver, M., Kereluik, K., Shin, T. S., & Wolf, L. G. (2011). Deep-play: Developing TPACK for 21st century teachers. *International Journal of Learning Technology*, 6(2), 146-163.
- DeSchryver, M., Mishra, P., Koehler, M., & Francis, A. (2009). "Moodle vs. Facebook: Does using Facebook discussions in an online course enhance perceived social presence and student Interaction?" I. Gibson, R. Weber, K. McFerrin, R. Carlsen, & D.A. Willis (eds). *Proceedings of Society for Information Technology and Teacher Education International Conference*, (pp. 329–336). Chesapeake, VA: Association for the Advancement of Computing in Education.
- DeSchryver, M., & Spiro, R. J. (2008). New forms of deep learning on the Web: Meeting the challenge of cognitive load in conditions of unfettered exploration in online multimedia environments. In R. Zheng (Ed.), *Cognitive effects of multimedia learning*. Hershey, PA: IGI Global, Inc.
- Spiro, R.J. & DeSchryver, M. (2008). Constructivism: When it's the wrong idea and when it's the only idea. In T. Duffy & S. Tobais (Eds.) *Constructivist instruction: Success or failure?* Mahwah, NJ: Lawrence Erlbaum.
- Yadav, A., Lundeberg, M., DeSchryver, M., & Dirkin, K. (2007). Teaching science with case studies: A national survey of faculty perceptions of the benefits and challenges of using cases. *Journal of College Science Teaching*, 37(1), 34.
- Yadav, A., Lundeberg, M., Dirkin, K., DeSchryver, M., Schiller, N., Herreid, C. F., & Maier, K. (2006). Teaching science with case studies—A national survey of faculty perceptions. In *Annual Meeting of the American Educational Research Association, San Francisco*.

Peer Reviewed Paper Presentations

- Plevinski, J., Weible, J., & DeSchryver, M. (2017). *Anchored annotation to support collaborative knowledge construction*. Philadelphia, PA: International Society of the Learning Sciences.
- DeSchryver, M. (2015). *The digital divide is increasingly about usage: Creative synthesis as an essential literacy to bridge gaps in sophisticated Internet skills development*. Paper presented at the annual meeting of the Literacy Research Association, Carlsbad, CA.
- DeSchryver, M. (2013). *Toward a framework for Web-mediated knowledge synthesis*. Paper presented at the annual meeting of the Literacy Research Association, Dallas, TX.
- DeSchryver, M. (2011, accepted). *Deep Web learning: The new literacies, knowledge synthesis and note-taking of advanced Web learners*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, New Orleans, LA.
- DeSchryver, M. (2010). *Advanced new literacies and knowledge synthesis on the web*. Paper presented at the annual meeting of the National Reading Conference, Fort Worth, TX.
- Mishra, P., Koehler, M., Shin, T. S., Wolf, L. G., & DeSchryver, M. (2010, March). *Developing TPACK by design*. Paper presented at Society for Information Technology & Teacher Education International Conference, San Diego, CA.
- Mishra, P., Koehler, M. J., Shin, T. S., Fedor, M. C., Francis, A. P., DeSchryver, M., & Heintz, A. E. (2009, August). *Reflections on teaching "reflections on learning"*. Paper presented at the Conference on the Teaching of Educational Psychology, Toronto.
- DeSchryver, M., Mishra, P., Koehler, M., & Francis, A.P. (2009, March). *Moodle vs. Facebook: Does using Facebook for discussions in an online course enhance perceived social presence and student interaction?* Paper presented at the annual meeting of the Society for Information Technology & Teacher Education International Conference, Charleston, NC.
- Spiro, R., DeSchryver, M., & Gao, F. (2008, December). *New modes of reading comprehension on the Web: Deep learning and virtual conceptual simultaneity*. Paper presented at the annual National Reading Conference, Orlando, FL.
- DeSchryver, M. & Mishra, P. (2008). *Googling creativity: An investigation of how preservice mathematics teachers use the web to generate creative ways to teach*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- DeSchryver, M. & Mishra, P. (2008). *Pre-service teachers and the web: Does access to the web enhance creative thinking about teaching?* Paper presented at the annual meeting of the Society for Information Technology & Teacher Education International Conference, Las Vegas, NV.
- Yadav, A., Lundeberg, M., Dirkin, K., DeSchryver, M., Schiller, N., Herreid, C. F., & Maier, K. (2006). Teaching science with case studies—A national survey of faculty perceptions. In *Annual Meeting of the American Educational Research Association, San Francisco*.

Refereed Conference Presentations

- DeSchryver, M. (March, 2015). Transform and transcend: Creative synthesis as a transdisciplinary approach to thinking and learning. In P. Mishra & Henriksen *The roots of creativity: trans-disciplinary thinking skills as tools for creative thinking and learning in the 21st century*. Symposium conducted at the annual meeting of the Society for Information Technology in Teaching Education, Las Vegas, NV.
- DeSchryver, M. (March, 2014). Using the Web to creativity synthesis knowledge. In P. Mishra *Fail again, fail better: Contextual factors that influence creativity in technology mediated learning context*. Symposium conducted at the annual meeting of the Society for Information Technology in Teaching Education, Jacksonville, FL.
- DeSchryver, M., Leahy, S. Graves-Wolf, L. (March 2013). Trans-disciplinary creativity by design: The case

- of an intensive face-to-face program. In P. Mishra *Breaking disciplinary boundaries in 21st century learning: Creative teaching with digital technologies*. Symposium conducted at the annual meeting of the Society for Information Technology in Teaching Education, New Orleans, LA.
- DeSchryver, M. (2011). Knowledge synthesis in a Connected World: How eight advanced learners used the Web to learn about ill-structured topics. In *Exploring cognitive and social aspects of online reading comprehension across multiple ages of learners*. Alternative session accepted for presentation at the annual meeting of the Literacy Research Association Conference, Jacksonville, FL.
- Spiro, R., DeSchryver, M. (2011). Issues in teacher preparation and professional development for deep and open reading to learn on the Web. In *Learning about literacy in pre-service and in-service settings: Research and developments from the literacy achievement research center*. Alternative session accepted for presentation at the annual meeting of the Literacy Research Association Conference, Jacksonville, FL.
- Spiro, R., DeSchryver, M. (2010). Advanced cognitive and metacognitive processes for deep learning on the web. In *At the intersection of literacy & technology: Research developments from the literacy achievement research center*. Symposium conducted at the annual meeting of the National Reading Conference, Fort Worth, TX.
- Spiro, R., DeSchryver, M., & Hagerman, M.S. (2009, December) Online reading and learning: New theory and data for dealing with a significant qualitative shift. In *The near future for literacy in an age of rapid technological change: Points of substantial disjuncture form traditional view of literacy and most urgently needed new directions for research*. Symposium conducted at the annual meeting of the National Reading Conference, Albuquerque, NM.
- Spiro, R. & DeSchryver, M. (2009, April). The ultimate resource-based learning environment: Advanced learning on the Web. In R.M. Rikers, *Promises and pitfalls of open-ended learning environments*. Symposium conducted at the annual meeting of the American Educational Research Association, San Diego, CA.
- Mishra, P. & DeSchryver, M. (2009, February). Crossing boundaries: Teaching teachers to think creatively.
In *Trans-disciplinary creativity and its educational tools – Research, practice, applications and minds-on exercises*. Panel presentation at Creativity: Worlds in the Making, a national symposium at Wake Forest University, Winston-Salem, NC.
- Wolf, L.G., DeSchryver, M., Koehler, M. & Mishra, P. (2009, February). Social technologies in undergraduate and graduate teacher education. In P. Mishra, *Digital age learners in a socially networked world*. Symposium conducted at the annual meeting of the American Association of Colleges for Teacher Education, Chicago, IL.
- Drew, M., Kolodner, M.A., & DeSchryver, M. (2002). *How to set up a K-12 ecology project*. Presentation at
the annual meeting of the National Science Teachers Association Conference, San Diego, CA.
- DeSchryver, M. (1998). *Computer mastery and cold-fusion: A dynamic web-based curriculum*. Presentation at the annual meeting of the National Educational Computing Conference, San Diego, CA. Conference/Workshop Presentations by Invitation
- DeSchryver, M. (2014, March). *Creative reading of informational texts on the Internet*. Pre-conference workshop presentation at the annual meeting of the Michigan Reading Association, Grand Rapids, MI.
- DeSchryver, M. (2012, April). *Web-mediated knowledge synthesis*. AERA special session for federally funded doctoral work. Poster presented at the annual meeting of the American Educational Research Association, New York, NY.
- Mishra, P., DeSchryver, M., & Wolf, L.G. (2009, September). *Creative teaching with technology: The*

- TPACK framework*. Co-presenter at full-day workshop conducted for technology and media specialists at Wayne RESA.
- DeSchryver, M. & Mishra, P. (2009, August). *Teaching, creativity, and technology*. In *Creativity in the classroom*. Workshop conducted at the Michigan Teaching for Learning Institute, Lansing, MI.
- Mishra, P., & DeSchryver, M. (2009, May). *Creative teaching*. Co-presenter at half-day workshop conducted for university faculty at Michigan State University.
- Lundeberg, M., Kang, H., Wolter, B., and DeSchryver, M. (2007, October). *Growth in student understanding using interactive technology (clickers) with case studies in large lecture classes*. Presented at the annual conference in case study teaching in science at Buffalo, New York.
- Panelist. (2003). *Information literacy curriculum models*. Panel presentation at the annual meeting of the New York Association of Independent Schools (NYSAIS) annual Conference for Managers of Information Technology, Mohonk, NY.
- Panelist. (2003). *Technology: Preparing for the long haul*. Panel presentation at the annual meeting of the National Business Officers Association, New York, NY.
- Panelist. (2002). *Pitfalls of online courses*. Panel presentation at the annual meeting of the NYSAIS annual Conference for Managers of Information Technology, Mohonk, NY.
- Panelist. (1997). *Intranet technologies*. Panel presentation at the annual meeting of the NYSAIS Technology Team Conference, New York, NY.