

December, 2015

Resume

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Education

Ph.D. in Educational Psychology, May 1979, University of Illinois.
M.A. in Educational Psychology, August 1976, University of Illinois.
B.A. in Psychology, June, 1973, University of Rochester.

Professional Experience

April 1988 - Present: Associate Professor, College of Education, the University of Iowa, Division of Psychological and Quantitative Foundations, Educational Psychology Program.
September 2012 – May 2013: Visiting Associate Professor, System Dynamics Program, Department of Geography, The University of Bergen, Bergen, Norway
September 2006 – May 2007: Visiting Associate Professor, System Dynamics Program, Department of Geography, The University of Bergen, Bergen, Norway.
September 2000 – June 2001: Visiting Associate Professor, System Dynamics Program, Department of Information Science, The University of Bergen, Bergen, Norway.

Recent Publications (last 15 years)

- Alessi, S. & Kopainsky, B. (2015). System dynamics and simulation-gaming: Overview. *Simulation & Gaming*, 46(3-4), 223-229.
- Kopainsky, B., & Alessi, S.M. (2015). Effects of structural transparency in system dynamics simulators on performance and understanding. *Systems*, 3(4), 152-176.
- Kopainsky, B., Alessi, S.M., Pedercini, M., & Davidsen, P.I. (2015). Effect of prior exploration as an instructional strategy for system dynamics. *Simulation & Gaming*, 46(3-4), 293-321.
- Taminiau, E.M.C., Kester, L., Corbalan, G., Alessi, S.M., Moxnes, E., Gijsselaers, W.H., Kirschner, P.A., & Van Merriënboer, J.J.G. (2013). Why advice on task selection may hamper learning in on-demand education. *Computers in Human Behavior*, 29(1), 145-154.
- Kopainsky, B., Pirnay-Dummer, P., & Alessi, S.M. (2012). Automated assessment of learners' understanding in complex dynamic systems. *System Dynamics Review*, 28(2), 131-156.
- Kopainsky, B., Pedercini, M., Davidsen, P.I., & Alessi, S.M. (2010). A blend of planning and learning: Simplifying a simulation model of national development. *Simulation & Gaming*, 41(5), 641-662.
- Alessi, S.M. (2009). Modeling a system and teaching a system: Enhancing what students learn from modeling. In P. Blumschein, W. Hung, D. Jonassen, & J. Strobel (Eds.), *Model-based approaches to learning: Using systems models and simulations to improve understanding and problem solving in complex domains*. Rotterdam, The Netherlands: Sense Publishers.
- Alessi, S. & Dwyer, A. (2008). Vocabulary assistance before and during reading. *Reading in a Foreign Language*, 20(2), 246-263.
- Hlas, A.C., Schuh, K.L., & Alessi, S.M. (2008). Native and non-native speakers in online and face-to-face discussion: Leveling the playing field. *Journal of Educational Technology Systems*, 36(4), 37-373.
- Alessi, S.M. (2007). *Designing and implementing educational MUVes (Multi-user virtual environments)*. In J. Sánchez (Ed.), *Nuevas ideas en informática educativo, Memorias del XII Taller Internacional de Software Educativo, TISE 2007 (New ideas in educational informatics, Proceedings of the 12th International Workshop on Educational Software, TISE 2007)*, Volume 3. Santiago, Chile: LOM Ediciones S.A.
- Pedercini, M., Kopainsky, B., Davidsen, P., & Alessi, S. (2007). *Blending planning and learning for national development*. In J. Sterman, R. Oliva, R.S. Langer, J.I. Rowe, & J.M. Yanni (Eds.), *Proceedings of the 25th International Conference of the System Dynamics Society*. Boston, July 29-August 2, 2007. Albany, NY: System Dynamics Society.
- Alessi, S.M., & Trollip, S.R. (2001). *Multimedia for learning: Methods and development*, 3rd edition. Boston: Allyn & Bacon.
- Alessi, S.M. (2000). Building versus using simulations. In J.M. Spector & T.M. Anderson (Eds.), *Integrated & holistic perspectives on learning, instruction & technology: Improving understanding in complex domains* (pp. 175-196). Dordrecht, The Netherlands: Kluwer.
- Alessi, S.M. (2000). Simulation design for training and assessment. In H.F. O'Neil, Jr., & D.H. Andrews (Eds.), *Aircrew training and assessment* (pp. 197-222). Mahwah, NJ: Lawrence Erlbaum Associates.