

## Publications for Peter Reimann

### 2018

Reimann, P., Markauskaite, L. (2018). Expertise. In F. Fischer, C. E. Hmelo-Silver, S. R. Goldman & P. Reimann (Eds.), *International handbook of the learning sciences*. Abingdon, Oxon: Routledge.

### 2016

Jacobson, M., Lund, K., Hoadley, C., Vatrappu, R., Kolodner, J., Reimann, P. (2016). Beyond just getting our word out: Creating pipelines from learning sciences research to educational practices. *12th International Conference of the Learning Sciences (ICLS 2016)*, Singapore: International Society of the Learning Sciences.

Jacobson, M., Kapur, M., Reimann, P. (2016). Conceptualizing Debates in Learning and Educational Research: Toward a Complex Systems Conceptual Framework of Learning. *Educational Psychologist*, 51(2), 210-218. <a href="http://dx.doi.org/10.1080/00461520.2016.1166963">[More Information]</a>

Reimann, P., Khosronejad, M. (2016). Designing Authentic Assessments in Higher Education. In Peter Reimann, Susan Bull, Michael Kickmeier-Rust, Ravi Vatrappu, Barbara Wasson (Eds.), *Measuring and Visualizing Learning in the Information-Rich Classroom*, (pp. 92-106). New York: Routledge. <a href="http://dx.doi.org/10.4324/9781315777979">[More Information]</a>

Khosronejad, M., Reimann, P., Markauskaite, L. (2016). Engineering professional identity practices: Investigating the use of web search in collaborative decision making. *33rd International Conference of Innovation, Practice and Research in the Use of Educational Technologies in Tertiary Education (ASCILITE 2016)*, Adelaide: University Of South Australia.

Ludvigsen, S., Jeong, H., Hmelo-Silver, C., Law, N., Cress, U., Reimann, P., Kapur, M., Rummel, N. (2016). Future of the CSCL community. *Transforming Learning, Empowering Learners: 12th International Conference of the Learning Sciences (ICLS 2016)*, Singapore: International Society of the Learning Sciences.

Reimann, P., Bell, S., Kickmeier-Rust, M., Vatrappu, R., Wasson, B. (2016). *Measuring and Visualizing Learning in the Information-Rich Classroom*. New York: Routledge. <a href="http://dx.doi.org/10.4324/9781315777979">[More Information]</a>

Vatrappu, R., Reimann, P., Hussain, A., Pantazos, K. (2016). Repertory grids for formative assessment: Concept, method, tools and findings. In Peter Reimann, Susan Bull, Michael Kickmeier-Rust, Ravi Vatrappu, Barbara Wasson (Eds.), *Measuring and Visualizing Learning in the Information-Rich Classroom*, (pp. 121-136). New York: Routledge.

### 2015

Khosronejad, M., Reimann, P., Markauskaite, L. (2015). Implied identity: A conceptual framework for exploring engineering professional identity practices in higher education. *Frontiers in Education Conference 2015*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. <a href="http://dx.doi.org/10.1109/FIE.2015.7344257">[More Information]</a>

Reimann, P. (2015). Testing Times: Data and Their (Mis-)Use

in Schools. In Helen Proctor, Patrick Brownlee, Peter Freebody (Eds.), *Controversies in Education: Orthodoxy and Heresy in Policy and Practice*, (pp. 39-53). Cham: Springer. <a href="http://dx.doi.org/10.1007/978-3-319-08759-7\_4">[More Information]</a>

Thompson, K., Carvalho, L., Aditomo, A., Dimitriadis, Y., Dyke, G., Evans, M., Khosronejadtoroghi, M., Martinez Maldonado, R., Reimann, P., Wardak, D. (2015). The synthesis approach to analysing educational design dataset: Application of three scaffolds to a learning by design task for postgraduate education students. *British Journal of Educational Technology*, 46(5), 1020-1027. <a href="http://dx.doi.org/10.1111/bjet.12335">[More Information]</a>

### 2014

Barbera, E., Reimann, P. (2014). *Assessment and Evaluation of Time Factors in Online Teaching and Learning*. Hershey, PA: Information Science Reference.

Reimann, P., Utz, W., Unterberger, R., Halb, W. (2014). Capturing learning over time for supporting pedagogical decision making: A process modeling approach. In Elena Barbera, Peter Reimann (Eds.), *Assessment and Evaluation of Time Factors in Online Teaching and Learning*, (pp. 264-293). Hershey, PA: Information Science Reference. <a href="http://dx.doi.org/10.4018/978-1-4666-4651-3.ch010">[More Information]</a>

Lee, C., Ling, K., Reimann, P., Diponegoro, Y., Koh, C., Chew, D. (2014). Dynamic scaffolding in a cloud-based problem representation system: Empowering pre-service teachers' problem solving. *Campus-Wide Information Systems*, 31(5), 346-356. <a href="http://dx.doi.org/10.1108/CWIS-02-2014-0006">[More Information]</a>

Reimann, P., Markauskaite, L., Bannert, M. (2014). e-Research and learning theory: What do sequence and process mining methods contribute? *British Journal of Educational Technology*, 45(3), 528-540. <a href="http://dx.doi.org/10.1111/bjet.12146">[More Information]</a>

Markauskaite, L., Reimann, P. (2014). Editorial: e-Research for education: Applied, methodological and critical perspectives. *British Journal of Educational Technology*, 45(3), 385-391. <a href="http://dx.doi.org/10.1111/bjet.12154">[More Information]</a>

Bannert, M., Reimann, P., Sonnenberg, C. (2014). Process mining techniques for analysing patterns and strategies in students' self-regulated learning. *Metacognition and Learning*, 9(2), 161-185. <a href="http://dx.doi.org/10.1007/s11409-013-9107-6">[More Information]</a>

Markauskaite, L., Reimann, P. (2014). Special issue: e-Research for education: Applied, methodological and critical perspectives. *British Journal of Educational Technology*, 45(3).

Jacobson, M., Kapur, M., Reimann, P. (2014). Towards a complex systems meta-theory of learning as an emergent phenomenon: Beyond the cognitive versus situative debate. *The International Conference of the Learning Sciences (ICLS) 2014*, Boulder, CO: International Society of the Learning Sciences.

### 2013

Vatrapu, R., Reimann, P., Bull, S., Johnson, M. (2013). An eye-tracking study of notational, informational, and emotional aspects of learning analytics representations. *3rd International Conference on Learning Analytics and Knowledge (LAK 2013)*, New York: Association for Computing Machinery (ACM). <a href="http://dx.doi.org/10.1145/2460296.2460321">[More Information]</a>

Southavilay, V., Yacef, K., Reimann, P., Calvo, R. (2013). Analysis of Collaborative Writing Processes Using Revision Maps and Probabilistic Topic Models. *3rd International Conference on Learning Analytics and Knowledge (LAK 2013)*, New York: Association for Computing Machinery (ACM). <a href="http://dx.doi.org/10.1145/2460296.2460307">[More Information]</a>

Bloomfield, D., Chambers, B., Egan, S., Goulding, J., Reimann, P., Waugh, F., White, S. (2013). *Authentic assessment in practice settings: A participatory design approach | Final report 2013*, (pp. 4 - 94). Sydney, Australia: Office for Teaching and Learning (OLT). <a href="http://www.olt.gov.au/project-authentic-assessment-students-practice-settings-participatory-design-approach-2010">[More Information]</a>

Reimann, P. (2013). Design-based Research - Designing as Research. In R Luckin, S Puntambekar, P Goodyear, B Grabowski, J Underwood, N Winters (Eds.), *Handbook of Design in Educational Technology*, (pp. 44-52). New York: Routledge. <a href="http://dx.doi.org/10.4324/9780203075227.ch4">[More Information]</a>

Strijbos, J., Fischer, F., Cress, U., Looi, C., Puntambekar, S., Reimann, P., Rose, C., Slotta, J. (2013). From Research Instruments to Classroom Assessments: A Call for Tools to Assist Teacher Assessment of Collaborative Learning. *10th International Conference on Computer-Supported Collaborative Learning*, Madison, WI: International Society of the Learning Sciences.

Reimann, P., Bull, S., Vatrapu, R. (2013). Learning to Facilitate (Online) Meetings. *10th International Conference on Computer-Supported Collaborative Learning*, Madison, WI: International Society of the Learning Sciences.

Kay, J., Reimann, P., Diebold, E., Kummerfeld, R. (2013). MOOCs: So many learners, so much potential.. *IEEE Intelligent Systems*, 28(3), 70-77. <a href="http://dx.doi.org/10.1109/MIS.2013.66">[More Information]</a>

Reimann, P., Kickmeier-Rust, M., Albert, D. (2013). Problem solving learning environments and assessment: A knowledge space theory approach. *Computers & Education*, 64, 183-193. <a href="http://dx.doi.org/10.1016/j.compedu.2012.11.024">[More Information]</a>

Reimann, P., Yacef, K. (2013). Using Process Mining for Understanding Learning. In R Luckin, S Puntambekar, P Goodyear, B Grabowski, J Underwood, N Winters (Eds.), *Handbook of Design in Educational Technology*, (pp. 472-481). New York: Routledge. <a href="http://dx.doi.org/10.4324/9780203075227.ch41">[More Information]</a>

## 2012

Goulding, J., Bloomfield, D., Reimann, P. (2012). An analysis of how the teaching practicum is assessed in Australia and resulting potentials for IT innovation. *Association for Teacher Education in Europe (ATEE) Winter conference 2012 - Professional development of teacher educators: Bringing*

*together policy, practice and research*, Online: Association for Teacher Education in Europe (ATEE).

Chai, C., Quek, C., Lee, C., Hong, H., Ling, J., Miyake, N., Reimann, P. (2012). Critical aspects in learning with technologies (symposium). *ICLS 2012: 10th International Conference of the Learning Sciences*, Sydney: International Society of the Learning Sciences.

Aditomo, A., Thompson, K., Reimann, P. (2012). Examining System Dynamics Models Together: Using Variation Theory to Identify Learning Opportunities in Online Collaboration. *10th International Conference of the Learning Sciences: The Future of Learning (vol. 2)*, Sydney: International Society of the Learning Sciences.

Bloomfield, D., White, S., Waugh, F., Bowles, W., Reimann, P., Goulding, J. (2012). Supporting assessment in practice settings: a cross disciplinary co-operative approach. *2012 Joint International Conference of the Australian Association for Research in Education (AARE) and the Asia Pacific Educational Research Association (APER) Association*, Sydney: Australian Association for Research in Education (AARE).

Bannert, M., Reimann, P. (2012). Supporting self-regulated hypermedia learning through prompts. *Instructional Science*, 40(1), 193-211. <a href="http://dx.doi.org/10.1007/s11251-011-9167-4">[More Information]</a>

Reimann, P., Hesse, F., Avramides, K., Cierniak, G., Vatrapu, R. (2012). Supporting teachers in capturing and analyzing learning data in the technology-rich classroom (symposium). *ICLS 2012: 10th International Conference of the Learning Sciences*, Sydney: International Society of the Learning Sciences.

van Aalst, J., Thompson, K., Jacobson, M., Reimann, P. (2012). The Future of Learning: 10th International Conference of the Learning Sciences. Proceedings, Volume 1 - Full Papers. *10th International Conference of the Learning Sciences the Future of Learning*, Sydney: International Society of the Learning Sciences.

van Aalst, J., Thompson, K., Jacobson, M., Reimann, P. (2012). The Future of Learning: 10th International Conference of the Learning Sciences. Proceedings, Volume 2 - Short Papers, Symposia, & Abstracts. *10th International Conference of the Learning Sciences the Future of Learning*, Sydney: International Society of the Learning Sciences.

Vatrapu, R., Reimann, P., Hussain, A. (2012). Towards teaching analytics: Repertory Grids for Formative Assessment. *10th International Conference of the Learning Sciences the Future of Learning*, Sydney: International Society of the Learning Sciences.

## 2011

Reimann, P., Yacef, K., Kay, J. (2011). Analyzing Collaborative Interactions with Data Mining Methods for the Benefit of Learning. In Sadhana Puntambekar, Gijsbert Erkens and Cindy Hmelo-Silver (Eds.), *Analyzing Interactions in CSCL*, (pp. 161-185). Germany: Springer. <a href="http://dx.doi.org/10.1007/978-1-4419-7710-6\_8">[More Information]</a>

Calvo, R., O'Rourke, S., Jones, J., Yacef, K., Reimann, P. (2011). Collaborative Writing Support Tools on the Cloud. *IEEE Transactions on Learning Technologies*, 4(1), 88-97. <a href="http://dx.doi.org/10.1109/TLT.2010.43">[More Information]</a>

Aditomo, A., Calvo, R., Reimann, P. (2011). Collaborative writing: Too much of a good thing? Exploring Engineering students' perceptions using the repertory grid. *9th International Conference on Computer-Supported Collaborative Learning*

(CSCL 2011): *Connecting research to policy and practice*, Hong Kong, China: International Society of the Learning Sciences.

Reimann, P., Bull, S., Halb, W., Johnson, M. (2011). Design of a Computer-assisted Assessment System for Classroom Formative Assessment. *14th International Conference on Interactive Collaborative Learning (ICL2011)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. <a href="http://dx.doi.org/10.1109/ICL.2011.6059627">[More Information]</a>

Reimann, P. (2011). Design-Based Research. In Markauskaite L, Freebody P, Irwin J (Eds.), *Methodological Choice and Design: Scholarship, Policy and Practice in Social and Educational Research*, (pp. 37-50). New York: Springer. <a href="http://dx.doi.org/10.1007/978-90-481-8933-5\_3">[More Information]</a>

Reimann, P., Bull, S. (2011). Facilitating Communication with Open Learner Models: A Semiotic Engineering Perspective. *15th International Conference on Artificial Intelligence in Education (AIED 2011)*, Berlin: Springer. <a href="http://dx.doi.org/10.1007/978-3-642-21869-9\_92">[More Information]</a>

## 2010

Reimann, P., Jacobson, M. (2010). Afterword: Opportunities for Transformational Learning. In Michael J. Jacobson, Peter Reimann (Eds.), *Designs for Learning Environments of the Future: International Perspectives from the Learning Sciences*, (pp. 283-285). New York: Springer. <a href="http://dx.doi.org/10.1007/978-0-387-88279-6">[More Information]</a>

Reimann, P., Calvo, R., Yacef, K., Southavilay, V. (2010). Comprehensive Computational Support for Collaborative Learning from Writing. *18th International Conference on Computers in Education ICCE 2010 - Enhancing and Sustaining New Knowledge through the Use of Digital Technology in Education*, Putrajaya, Malaysia: Universiti Putra Malaysia.

Jacobson, M., Reimann, P. (2010). *Designs for Learning Environments of the Future: International Perspectives from the Learning Sciences*. New York: Springer. <a href="http://dx.doi.org/10.1007/978-0-387-88279-6">[More Information]</a>

Jacobson, M., Reimann, P. (2010). Invention and Innovation in Designing Future Learning Environments. In Michael J. Jacobson, Peter Reimann (Eds.), *Designs for Learning Environments of the Future: International Perspectives from the Learning Sciences*, (pp. 1-15). New York: Springer. <a href="http://dx.doi.org/10.1007/978-0-387-88279-6">[More Information]</a>

Jacobson, M., Wilensky, U., Reimann, P. (2010). Learning about complexity and beyond: Theoretical and methodological implications for the learning sciences. *International Conference of the Learning Sciences*, Chicago, IL.: International Society of the Learning Sciences.

Reimann, P., Kay, J. (2010). Learning to Learn and Work in Net-Based Teams: Supporting Emergent Collaboration with Visualization Tools. In Michael J. Jacobson, Peter Reimann (Eds.), *Designs for Learning Environments of the Future: International Perspectives from the Learning Sciences*, (pp. 143-188). New York: Springer. <a href="http://dx.doi.org/10.1007/978-0-387-88279-6">[More Information]</a>

Reimann, P., Markauskaite, L. (2010). New Learning - Old Methods? How E-research Might Change Technology -

Enhanced Learning Research. In Khine M S, Saleh I M (Eds.), *New Science of Learning: Computers, Cognition and Collaboration in Education*, (pp. 249-272). New York: Springer. <a href="http://dx.doi.org/10.1007/978-1-4419-5716-0">[More Information]</a>

Thompson, K., Reimann, P. (2010). Patterns of use of an agent-based model and a system dynamics model: The application of patterns of use and the impacts on learning outcomes. *Computers & Education*, 54(2), 392-403. <a href="http://dx.doi.org/10.1016/j.compedu.2009.08.020">[More Information]</a>

Kennedy-Clark, S., Jacobson, M., Reimann, P. (2010). Scenario-Based Multi-User Virtual Environments: Productive Failure and the Impact of Structure on Learning. *5th European Conference on Technology Enhanced Learning (EC-TEL 2010)*, Germany: Springer. <a href="http://dx.doi.org/10.1007/978-3-642-16020-2\_28">[More Information]</a>

Kennedy-Clark, S., Reimann, P. (2010). Scenario-Based MUVES in the Science Classroom: Pre-service teachers' perspectives. *18th International Conference on Computers in Education ICCE 2010 - Enhancing and Sustaining New Knowledge through the Use of Digital Technology in Education*, Putrajaya, Malaysia: Universiti Putra Malaysia. <a href="http://dx.doi.org/10.3233/978-1-60750-606-5-1095">[More Information]</a>

## 2009

Reimann, P., Freebody, P., Hornibrook, M. (2009). Designing for Immersive Learning Environments: a Study of Teacher Innovation Using the Learning Federation (TLF) Digital Learning Resources. *8th European Conference on e-Learning ECEL 2009*, United Kingdom: Academic Publishing Limited.

Reimann, P., Aditomo, A., Thompson, K. (2009). Students engaged in collaborative modeling. *9th International Conference on Computer Supported Collaborative Learning (CSCL2009)*, Greece: International Society of the Learning Sciences.

Reimann, P. (2009). Time is precious: Variable- and event-centred approaches to process analysis in CSCL research. *Computer-Supported Collaborative Learning*, 4, 239-257. <a href="http://dx.doi.org/10.1007/s11412-009-9070-z">[More Information]</a>

Reimann, P., Frerejean, J., Thompson, K. (2009). Using process mining to identify models of group decision making processes in chat data. *9th International Conference on Computer Supported Collaborative Learning (CSCL2009)*, Greece: International Society of the Learning Sciences.

Wong, W., Reimann, P. (2009). Web based Educational Video Teaching and Learning platform with Collaborative Annotation. *9th IEEE International Conference on Advanced Learning Technologies ICALT 2009*, United States: (IEEE) Institute of Electrical and Electronics Engineers. <a href="http://dx.doi.org/10.1109/ICALT.2009.223">[More Information]</a>

## 2008

Freebody, P., Reimann, P., Tiu, A. (2008). *Alignment of perceptions about the uses of ICT in Australian and New Zealand schools. Brief Review of Research Literature on the Benefits of ICT use in School.*

Freebody, P., Reimann, P., Tiu, A. (2008). *Alignment of perceptions about the uses of ICT in Australian and New Zealand schools. Survey Report.*

Freebody, P., Reimann, P., Tiu, A. (2008). *Alignment of perceptions about the uses of ICT in Australian and New*

*Zealand schools: Improving the Uptake of ICT in schools.*

Reimann, P. (2008). Communities of Practice. In Adelsberger, H.H.; Kinshuk, P.; Pawlowski, J.M.; Sampson, D (Eds.), *Handbook on Information Technologies for Education and Training*, (pp. 277-293). Berlin, Germany: Springer. <a href="http://dx.doi.org/10.1007/978-3-540-74155-8">[More Information]</a>

Bannert, M., Reimann, P. (2008). Design and Effects of Metacognitive Support for Hypermedia Learning. *16th International Conference on Computers in Education 2008: ICCE Conference on Emerging Research in Technology Enhanced Learning*, Taipei: Asia-Pacific Society for Computers in Education.

Reimann, P., Thompson, K. (2008). Ecosystem modelling for environmental education: From stocks and flows to behavior and interactions. In Blumschein P, Hung W, Jonassen D (Eds.), *Model-based approaches to learning: Using systems models and simulations to improve understanding and problem solving in complex domains*, (pp. 111-148). ROTTERDAM, Netherlands: Sense Publishers.

Markauskaite, L., Reimann, P. (2008). Enabling teacher-led innovation and research: A conceptual design of an inquiry framework for ICT-enhanced teacher innovation. *ED-MEDIA 2008 World Conference on Educational Multimedia, Hypermedia and Telecommunications 2008*, Chesapeake VA, US: Association for the Advancement of Computing in Education (AACE).

Markauskaite, L., Reimann, P. (2008). Enhancing and scaling-up design-based research: The potential of E-research. *The International Conference of Learning Sciences. ICLS 2008*, Utrecht: International Society of the Learning Sciences.

Villalon, J., Kearney, P., Calvo, R., Reimann, P. (2008). Glosser: Enhanced Feedback for Student Writing Tasks. *The 8th IEEE International Conference on Advanced Learning Technologies. ICALT 2008*, California, USA: (IEEE) Institute of Electrical and Electronics Engineers. <a href="http://dx.doi.org/10.1109/ICALT.2008.78">[More Information]</a>

Muller, D., Sharma, M., Reimann, P. (2008). Raising cognitive load with linear multimedia to promote conceptual change. *Science Education*, 92(2), 278-296. <a href="http://dx.doi.org/10.1002/sce.20244">[More Information]</a>

## 2007

Reimann, P., Thompson, K., Weinel, M. (2007). Collaborative learning by modelling: Observations in an online setting. *ascilite 2007: ICT: Providing Choices for Learners and Learning*, Singapore: Nanyang Technological University.

Muller, D., Sharma, M., Eklund, J., Reimann, P. (2007). Conceptual Change Through Vicarious Learning in an Authentic Physics Setting. *Instructional Science*, 35(6), 519-533. <a href="http://dx.doi.org/10.1007/s11251-007-9017-6">[More Information]</a>

Weinel, M., Reimann, P. (2007). Coordination Dynamics in CSCL based Chat Logs. *CSCL 2007, The Computer Supported Collaborative Learning (CSCL) Conference 2007*, USA: International Society of the Learning Sciences.

Reimann, P., Thompson, K., Weinel, M. (2007). Decision making patterns in virtual teams. In T. Hirashima;U. Hoppe;S. S.-C. Young (Eds.), *Supporting learning flow through integrative technologies*, (pp. 213-220). Amsterdam: IOS Press.

Thompson, K., Reimann, P. (2007). Do school students learn more about the environment from a system dynamics model by

themselves or with a partner? *The 25th International Conference of the System Dynamics Society 50th Anniversary Celebration*, United States: System Dynamics Society.

Kildare, R., Williams, R., Hartnett, J., Reimann, P. (2007). Interaction rules: their place in collaboration software. *CSCL 2007, The Computer Supported Collaborative Learning (CSCL) Conference 2007*, USA: International Society of the Learning Sciences.

Aditomo, A., Reimann, P. (2007). Learning from virtual interaction: A review of research on online synchronous groups. *CSCL 2007, The Computer Supported Collaborative Learning (CSCL) Conference 2007*, USA: International Society of the Learning Sciences.

Kay, J., Reimann, P., Yacef, K. (2007). Mirroring of Group Activity to Support Learning as Participation. *13th International Conference on Artificial Intelligence in Education (AIED-2007)*, Netherlands: IOS Press.

Mann, S., Reimann, P. (2007). Mobile technology as a mediating tool for learning in the convergences from

technology, collaboration and curriculum perspectives. *6th Annual International Conference on Mobile Learning*, Melbourne: University of Melbourne.

Thompson, K., Reimann, P. (2007). Patterns of using system dynamics models and agent based models to understand a complex environmental system – a comparison. *12th Biennial Conference for Research on Learning and Instruction*. European Association for Research on Learning and Instruction.

Muller, D., Bewes, J., Sharma, M., Reimann, P. (2007). Saying the wrong thing: improving learning with multimedia by including misconceptions. *Journal of Computer Assisted Learning*, online, 1-12. <a href="http://dx.doi.org/10.1111/j.1365-2729.2007.00248.x">[More Information]</a>

Reimann, P. (2007). Time is precious: Why process analysis is essential for CSCL (and can also help to bridge between experimental and descriptive methods). *CSCL 2007, The Computer Supported Collaborative Learning (CSCL) Conference 2007*, USA: International Society of the Learning Sciences.

Kay, J., Yacef, K., Reimann, P. (2007). Visualisations for Team Learning: Small Teams Working on Long-Term Projects. *CSCL 2007, The Computer Supported Collaborative Learning (CSCL) Conference 2007*, USA: International Society of the Learning Sciences.

## 2006

Kay, J., Maisonneuve, N., Yacef, K., Reimann, P. (2006). *"Wattle Tree: What'll it tell us?"*, Technical Report 582.

Markauskaite, L., Goodyear, P., Reimann, P. (2006). Editorial: Who's Learning? Whose Technology? *23rd Annual Conference of the Australasian Society for Computers in Learning in Tertiary Education ASCILITE 2006*, Australia: Sydney University Press.

Markauskaite, L., Reimann, P., Reid, D., Goodwin, N. (2006). Exploring the fit of an information technology course to the ICT literacy of trainee teachers. *Society for Information Technology & Teacher Education, 17th International Conference (2006)*, Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Markauskaite, L., Sutherland, L., Reimann, P. (2006). Interaction and Cognitive Engagement in the Community of Practice: The Contradiction of Terms? *Sixth International*

Conference on Advanced Learning Technologies ICALT 2006, Los Alamitos, California: (IEEE) Institute of Electrical and Electronics Engineers.

Thompson, K., Reimann, P. (2006). Knowledge and Understanding of an Environmental System Using Two Different Types of Computer-based Models - A Pilot Study. *2006 Australian Association for Environmental Education (AAEE) Conference*, Sydney: AaeE.

Zumbach, J., Schmitt, S., Reimann, P., Starkloff, P. (2006). Learning life sciences: design and development of a virtual molecular biology learning lab. *Journal of Computers in Mathematics and Science Teaching*, 25(3), 281-300.

Ginns, P., Hollender, N., Reimann, P. (2006). Meta-analysis of the Minimalist Training Model. *American Educational Research Association 2006 Annual Meeting*, Washington DC USA: AMERICAN EDUCATIONAL RESEARCH ASSOCIATION.

Markauskaite, L., Goodwin, N., Reid, D., Reimann, P. (2006). Modelling and evaluating ICT courses for pre-service teachers: What works and how it works? *Lecture Notes in Computer Science (LNCS)*, 4226, 242-254.

Thompson, K., Reimann, P. (2006). System Dynamics as a Mindtool for Environmental Education. *AARE International Education Research Conference 2005*, Australia: Australian Association for Research in Education (AARE).

Kay, J., Maisonneuve, N., Yacef, K., Reimann, P. (2006). The Big Five and Visualisations of Team Work Activity. *8th International Conference on Intelligent Tutoring Systems ITS 2006*, Germany: Springer. <a href="http://dx.doi.org/10.1007/11774303">[More Information]</a>

## 2005

Reimann, P., Kay, J., Yacef, K., Goodyear, P. (2005). Adaptive Visualisation Support for Self-managed Learning Groups. *12th International Conference on Artificial Intelligence in Education (AIED) 2005 Workshop 6*, Amsterdam: University of Amsterdam.

Reimann, P., Kay, J. (2005). Adaptive Visualization of User Models to Support Group Coordination Processes. *Cognition and Learning through Media-Communication for Advanced e-Learning 2005*, Tokyo, Japan: Japanese Society for Information and Systems In Education.

Zumbach, J., Schonemann, J., Reimann, P. (2005). Analyzing and Supporting Collaboration in Cooperative Computer-Mediated Communication. *International Conference on Computer Supported Collaborative Learning CSCL 2005: The Next 10 Years*, Taipei, Taiwan: Lawrence Erlbaum Associates, Publishers.

Reimann, P. (2005). Co-Constructing Artefacts and Knowledge in Netbased Teams: Implications for the Design of Collaborative Learning Environments. *29th Conference of the International Group for the Psychology of Mathematics Education - PME29*, Melbourne, Australia: PME.

Ullman, A., Peters, D., Reimann, P. (2005). Developing a research supportive web-based learning system. *17th Biennial Conference of the Open Distance Learning Association of Australia - ODLAA 2005 : Breaking Down Boundaries: The International Experience in Open, Distance and Flexible Education*, Online: Online. <a href="http://dx.doi.org/10.1109/ICIE.2010.350">[More Information]</a>

Zumbach, J., Reimann, P., Schonemann, J. (2005). Effects of Resource Distribution and Feedback on Computer-Mediated

Collaboration in Dyads. *International Conference on Computers in Education ICCE 2005 : Towards Sustainable and Scalable Educational Innovations Informed by the Learning Sciences*, Singapore: Asia-Pacific Society for Computers in Education. <a href="http://dx.doi.org/10.1109/NSSMIC.2011.6153722">[More Information]</a>

Zumbach, J., Reimann, P., Schonemann, J. (2005). Monitoring students' collaboration in computer-supported collaborative problem solving: An applied feedback approach. *Conference of the European Association for Learning and Instruction (EARLI)*.

Reimann, P. (2005). Supporting Knowledge Building with Semantic Web Technologies. *17th Biennial Conference of the Open Distance Learning Association of Australia - ODLAA 2005 : Breaking Down Boundaries: The International Experience in Open, Distance and Flexible Education*, Online: Online.

## 2004

Reimann, P., Zumbach, J. (2004). From log files to meaningful feedback. *28th International Congress of Psychology*, United Kingdom: Psychology Press.

## 2003

Zumbach, J., Reimann, P. (2003). Computerunterstuetztes fallbasiertes Lernen: Goal-Based Scenarios und Problem-Based Learning (Computer-supported case-based Learning: Goal-Based scenarios and problem-based learning). In F Thissen (Eds.), *Multimedia Didaktik*, (pp. 183-197). Heidelberg: Springer.

Reimann, P., Zumbach, J. (2003). Enhancing Online Learning Communities: Interaction, Problem-Solving, and Feedback. *10th Biennial EARLI Conference*.

Reimann, P. (2003). How to support groups in learning: more than problem solving. *AIED 2003: Artificial Intelligence in Education*, Sydney, AU: University of Sydney.

Zumbach, J., Reimann, P. (2003). Influence of feedback on distributed problem based learning. In Wasson, Ludvigsen, Hoppe (Eds.), *Proceedings of the International Conference on Computer Support for Collaborative Learning 2003*, (pp. 219-228). Netherlands: Springer.

Reimann, P. (2003). Multimedia learning: beyond modality. *Learning and Instruction*, 13(2), 245-252. <a href="http://dx.doi.org/10.1016/S0959-47520200024-5">[More Information]</a>

Starkloff, P., Zumbach, J., Reimann, P. (2003). Seminare im Netz: Psychologie (Net-Based Seminars: Psychological Aspects). In P. Kandzia & T. Ottmann (Eds.), *E-Learning fuer die Hochschule - Pragmatische Ansaetze fuer ein Flexibleres Studium*, (pp. 187-199). Muenster: Waxmann.

Zumbach, J., Hillers, A., Reimann, P. (2003). Supporting Distributed Problem-Based Learning: The Use Of Feedback Mechanisms In Online Learning. In Roberts, T (Eds.), *Online Collaborative Learning: Theory and Practice*, (pp. 86-102). Hershey, PA, USA: Information Science Publishing.

Reimann, P., Zumbach, J. (2003). Supporting virtual learning teams with conversation visualizations. *NZARE/AARE Conference*.

Reimann, P., Zumbach, J. (2003). Supporting virtual learning teams with dynamic feedback. *The "Second Wave" of ICT in Education: from Facilitating Teaching and Learning to Engendering Education Reform*, Hong Kong: ACE: Association for the Advance of Computing In Education.

Zumbach, J., Reimann, P., Spraul, P. (2003). The Role of Expert and Novice Tutors in Distributed and Traditional Problem-Based Learning. *10th Biennial EARLI Conference*.

## 2002

Reimann, P., Zumbach, J., Muehlenbrock, M. (2002). Analyse und Unterstuetzung synchronen netzbasierten Lernens. *Kongress der Deutschen Gesellschaft fuer Psychologie*.

Zumbach, J., Reimann, P., Pixner, J., Koch, S., Stark, M. (2002). Automatisierte Analyse und Feedback kollaborativen Lernens bei virtuellen Lerngruppen. *Tagung der der Arbeitsgemeinschaft Empirische Paedagogische Forschung (AEPF)*.

Zumbach, J., Reimann, P. (2002). Enhancing Learning from Hypertext by Inducing a goal Orientation: Comparing different approaches. *Instructional Science*, 30(4), 243-267.

Spraul, P., Zumbach, J., Reimann, P., Pixner, J. (2002). Implementation und Evaluation eines netz- und problembasierten Kurses zur Instruktionspsychologie. *Kongress der Deutschen Gesellschaft fuer Psychologie*.

Spraul, P., Zumbach, J., Reimann, P. (2002). Kollaboratives Lernen im Netz: Einfluss von Tutorverhalten beim synchronen Problem-Basierten Lernen/Leading a learning group on the Web: The tutor role in synchronous problem-based learning. *5th German Online Research Conference (GOR02)*.

Weinel, M., Zumbach, J., Reimann, P. (2002). Lernerkontrolle, Adaptivitaet und tiefenorientierte Lernstrategien bei computerbasierten Lernszenarien. *Tagung der der Arbeitsgemeinschaft Lernstrategien bei computerbasierten Lernszenarien*.

Zumbach, J., Reimann, P. (2002). Motivationale Faktoren beim hypermedialen Lernen. *Kongress der Deutschen Gesellschaft fuer Psychologie*.

Zumbach, J., Muehlenbrock, M., Jansen, M., Reimann, P., Hoppe, H. (2002). Multi-Dimensional Tracking in Virtual Learning Teams in Computer Support for Collaborative Learning: Foundations for a CSCL Community. In G. Stahl (Eds.), *Computer Support for Collaborative Learning: Foundations for a CSCL Community (CSCL 2002 Proceedings)*, (pp. 650-651). United States: Lawrence Erlbaum Associates, Publishers.

Pixner, J., Zumbach, J., Reimann, P. (2002). Unterstuetzung des ko-konstruktiven Lernens durch Darbietung von aufgaben- und interaktionsbezogenen Historien. *Kongress der Deutschen Gesellschaft fuer Psychologie*.

Zumbach, J., Reimann, P., Moayer, M. (2002). Wissenserwerb mit Geschaefprozessmodellen: Eine empirische Studie zum Lernen mit Grafischen Proevessvisualisierungen (Knowledge acquisition from business process models: an empirical study on learning with graphical process visualisations). *Zeitschrift fur Berufs- und Wirtschaftspaedagogik*, 98(3), 421-433.

## 2001

Zumbach, J., Reimann, P. (2001). Analyse and Foerderung Komplex Kooperation und Kollaboration in Synchronen Lernumgebungen (Communication and Collaboration in Synchronus Learning Environments) in Chat-Kommunikation. In M. Beisswenger (Eds.), *Chat-Kommunikation: Sprache, Interaktion, Sozialitat and Identitat in synchroner computervermittelter Kommunikation. Perspektiven auf ein interdisziplinares Forschungsfeld*, (pp. 515-536). Germany: ibidem-Verlag.

Schult, T., Reimann, P. (2001). Automatisierte Hilfe fuer das Lernen aus Loesungsbeispielen (Automatised support for Learning from Worked Examples). *Unterrichtswissenschaft*, 29(1), 64-81.

Reimann, P., Zumbach, J. (2001). Design, Diskurs und Reflexion als Zentrale Elemente Virtueller Seminare in Partizipation und Interaktion im virtuellen Seminar. In Friedrich W. Hesse, Helmut F. Friedrich (Eds.), *Partizipation und Interaktion im virtuellen Seminar*, (pp. 135-163). Muenster, Germany: Waxmann.

Reimann, P., Zumbach, J. (2001). Foerderung von Reflexionsprozessen in etzbasierten Lerngruppen. *Fachgruppentagung Paedagogische Psychologie vom*.

Zumbach, J., Reimann, P. (2001). Hypermediales Lernen und Kognition (Hypermedia Learning and Cognition) in Strategien und Kompetenzen. In P. Handler (Eds.), *Strategien und Kompetenzen: Elektronische Kommunikation in Wissenschaft, Bildung und Beruf*, (pp. 131-142). United States: Peter Lang Publishing.

Zumbach, J., Reimann, P. (2001). Hypertext-Based Argumentation: Role of Tools, Motivation and Cognition in Internet-Based Teaching and Learning. In Wolfgang Frindte, Thomas Kohler, Pasqual Marquet & Elke Nissen (Eds.), *Internet-Based Teaching and Learning (In-Tele) 99: Proceedings IN-TELE 99*, (pp. 320-327). United States: Peter Lang Publishing.

Zumbach, J., Reimann, P., Koch, S. (2001). Influence of Passive versus Active Information Access to Hypertextual Information Resources on Cognitive and Emotional Parameters. *Journal of Educational Computing Research*, 25(3), 301-318.

Zumbach, J., Reimann, P., Moayer, M. (2001). Lernen durch Konstruktion grafischer Prozessmodelle. *Tagung der Fachgruppe Medienpsychologie*.

Kumpf, D., Zumbach, J., Reimann, P. (2001). Problem-Based Learning in der Grundschule: Eine explorative Studie zum Computerunterstuetzten Kleingruppenunterricht (Problem-Based Learning in Primary School: an Explorative Study into Computer-Based Small Team Learning) in Beitrage der Empirischen Forschung Fuer Unterricht und Erziehung. In H. Eschenbeck, C.W. Kohlmann & A. Nuding (Eds.), *Beitrage der empirischen Forschung fÅ¼r Unterricht und Erziehung*, (pp. 72-73). Germany: PÄdagogische Hochschule SchwÄbisch GmÄnd.

Klieme, E., Funke, J., Leutner, D., Reimann, P., Wirth, J. (2001). Problemlösen als faecheruebergreifende Kompetenz? Konzeption and erste Resultate aus einer Schulleistungsstudie (Problem Solving as cross-curricular competence? Conceptualisation and First Results of a school performance Study). *Zeitschrift fur Paedagogik*, 47(2), 179-200.