

Recommended Reading

Getting up to date

- Berge, Z.L. & Muilenburg, L.Y. (Eds.) (2013). *Handbook of Mobile Learning*. New York: Routledge.
- Cope, B. & Kalantzis, M. (Eds.) (2009). *Ubiquitous Learning*. Urbana, IL: University of Illinois Press.
- Díaz-Vera, J.E. (Ed.) (2012). *Left to My Own Devices: Learner Autonomy and Mobile-assisted Language Learning*. Bingley, West Yorkshire: Emerald Group.
- Dijkers, S., Martin, J. & Coulter, B. (Eds.) (2011). *Mobile Media Learning: Amazing Uses of Mobile Devices for Learning*. Pittsburgh, PA: ETC Press.
- Float Mobile Learning Primer* [app]. <http://floatlearning.com/apps/float-mobile-learning-primer/>
- Hockly, N. & Dudeney, G. (in press). *Going Mobile: Teaching with Hand-held Devices*. Surrey: Delta.
- JISC. (n.d.). *Mobile Learning Infokit*. <http://www.jiscinfonet.ac.uk/infokits/mobile-learning/>
- Pachler, N., Bachmair, B. & Cook, J. (2010). *Mobile Learning: Structures, Agency, Practices*. New York: Springer.
- Parsons, D. (Ed.) (2011). *Combining E-learning and M-learning: New Applications of Blended Educational Resources*. Hershey, PA: Information Science Reference.
- Parsons, D. (Ed.) (2012). *Refining Current Practices in Mobile and Blended Learning: New Applications*. Hershey, PA: Information Science Reference.
- Parsons, D. (Ed.) (2013). *Innovations in Mobile Educational Technologies and Applications*. Hershey, PA: Information Science Reference.
- Quinn, C. (2012). *The Mobile Academy: Learning for Higher Education*. San Francisco: Jossey-Bass.
- Stodd, J. (2012). *A Mindset for Mobile Learning: A Journey through Theory and Practice*. Smashwords.
- UNESCO. (2013). *UNESCO Policy Guidelines for Mobile Learning*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002196/219641E.pdf>
- Vavoula, G., Pachler, N. & Kukulska-Hulme, A. (Eds.) (2009). *Researching Mobile Learning: Frameworks, Tools and Research Designs*. Oxford: Peter Lang.
- Vosloo, S. (2012). *Mobile Learning and Policies: Key Issues to Consider*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002176/217638E.pdf>
- West, M. (2012). *Mobile Learning for Teachers: Global Themes*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002164/216452E.pdf>
- West, M. (2012). *Turning on Mobile Learning: Global Themes*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002164/216451E.pdf>
- Woodill, G. (2011). *The Mobile Learning Edge: Tools and Technologies for Developing your Teams*. New York: McGraw-Hill.

Keeping up to date

- Business Insider: Tech.* <http://www.businessinsider.com/sai>
- Development Gateway.* <http://www.developmentgateway.org/>
- IAMLearn.* <http://www.iamlearn.org/>
- ICT for Development Network.* (CI Global). <http://www.comminit.com/ict-4-development/>
- ICT in Education: Mobile Learning.* (UNESCO). <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/>
- infoDev: Mobile.* <http://www.infodev.org/mobile>
- M-learning References.* (Mark Pegrum). <http://e-language.wikispaces.com/m-references>
- mLearnopedia.* (Aggregage). <http://cc.mlearnopedia.com/>
- Mobile for Development.* (GSMA). <http://www.gsma.com/mobilefordevelopment/>
- Mobiles for Education Alliance.* <http://www.meducationalliance.org/>
- NMC Horizon Project.* <http://www.nmc.org/horizon-project>
- Our Mobile Planet.* (Google, Ipsos, MMA & IAB). <http://www.thinkwithgoogle.com/mobileplanet/>
- Pew Internet: Mobile.* <http://pewinternet.org/topics/Mobile.aspx>
- ReadWrite: Mobile.* <http://readwrite.com/mobile>
- Ubiquitous Learning.* (Mark Pegrum). <http://www.scoop.it/t/ubiquitous-learning>
- WorkLearnMobile.* (Qualcomm Learning Center). <http://www.worklearnmobile.org/>

References

- Abdous, M., Camarena, M.M. & Facer, B.R. (2009). MALL technology: Use of academic podcasting in the foreign language classroom. *ReCALL*, 21(1), 76–95.
- Abelson, H. (2011). Mobile ramblings. *EDUCAUSE Quarterly*, 34(1). <http://www.educause.edu/ero/article/mobile-ramblings>
- Adami, E. & Kress, G. (2010). The social semiotics of convergent mobile devices: New forms of composition and the transformation of *habitus*. In G. Kress, *Multimodality: A Social Semiotic Approach to Contemporary Communication*. London: Routledge.
- Aljohani, N.R. & Davis, H.C. (2012). Learning analytics in mobile and ubiquitous learning environments. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn 2012: Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.70–77). http://ceur-ws.org/Vol-955/papers/paper_70.pdf
- Al-Mekhlafi, K., Hu, X. & Zheng, Z. (2009). An approach to context-aware mobile Chinese language learning for foreign students. In X. Hu, E. Scornavacca & Q. Hu (Eds.), *Proceedings: Eighth International Conference on Mobile Business (ICMB 2009)*, Dalian, China, 27–28 June (pp.340–346). Los Alamitos, CA: CPS/IEEE Computer Society.
- Al-Shehri, S. (2011). Mobile social networking in language learning: A transformational tool. *International Journal of Mobile Learning and Organisation*, 5(3/4), 345–359.
- Baddeley, A. (1998). *Human Memory: Theory and Practice* (revised ed.). Boston: Allyn & Bacon.
- Baleghizadeh, S. & Oladrostam, E. (2010). The effect of mobile-assisted language learning (MALL) on grammatical accuracy of EFL students. *MEXTESOL Journal*, 34(2), 1–10.
- Ballantyne, N. & Tyers, A. (2012). British Council's mobile learning projects in terms of international development. *mLearning Solutions for International Development: Rethinking What's Possible. Proceedings from Pre-conference Workshop, mLearn 2012*, Helsinki, Finland, 15 October. <http://ceur-ws.org/Vol-955/workshops/WS4International.pdf>
- Ballvé, M. (2013, 31 January). Facebook reaches mobile tipping point. *BI Intelligence*. <https://intelligence.businessinsider.com/facebook-passes-mobile-tipping-point-2013-1>
- Barber, M., Donnelly, K. & Rizvi, S. (2012). *Oceans of Innovation: The Atlantic, the Pacific, Global Leadership and the Future of Education*. London: IPPR. http://www.ippr.org/images/media/files/publication/2012/09/oceans-of-innovation_Aug2012_9543.pdf
- Baron, N.S. (2008). *Always On: Language in an Online and Mobile World*. New York: Oxford University Press.
- (2011). Assessing the internet's impact on language. In M. Consalvo & C. Ess (Eds.), *The Handbook of Internet Studies* (pp.117–136). Malden, MA: Wiley-Blackwell.

- Barton, D. & Lee, C.K.M. (2012). Redefining vernacular literacies in the age of web 2.0. *Applied Linguistics*, 33(3), 282–298.
- Baym, N.K. (2010). *Personal Connections in the Digital Age*. Cambridge: Polity Press.
- Belshaw, D.A.J. (2011). *What is 'Digital Literacy'? A Pragmatic Investigation*. Ed.D. thesis. <http://neverendingthesis.com/doug-belshaw-edd-thesis-final.pdf>
- Bennett, S., Maton, K. & Kervin, L. (2008). The 'digital natives' debate: A critical review of the evidence. *British Journal of Educational Technology*, 39(5), 775–786.
- Berge, Z.L. (2011). If you think socialisation in mLearning is difficult, try personalisation. *International Journal of Mobile Learning and Organisation*, 5(3/4), 231–238.
- Bhabha, H.K. (1994). *The Location of Culture*. London: Routledge.
- Bjerede, M. & Bondi, T. (n.d.). *Learning is Personal: Stories of Android Tablet Use in the 5th Grade*. Learninguntethered.com. <http://www.learninguntethered.com/wp-content/uploads/2012/08/Learning-is-Personal.pdf>
- Blake, R.J. (2008). *Brave New Digital Classroom: Technology and Foreign Language Learning*. Washington, DC: Georgetown University Press.
- Borau, K., Ullrich, C., Feng, J. & Shen, R. (2009). Microblogging for language learning: Using Twitter to train communicative and cultural competence. In M. Spaniol, Q. Li, R. Klamma & R.W.H. Lau (Eds.), *Advances in Web Based Learning – ICWL 2009*, 8th International Conference, Aachen, Germany, August (pp.78–87). Berlin: Springer.
- Borgia, L. (2009). Enhanced vocabulary podcasts implementation in fifth grade classrooms. *Reading Improvement*, 46(4), 263–272.
- Botha, A., Vosloo, S., Kuner, J. & van den Berg, M. (2011). Improving cross-cultural awareness and communication through mobile technologies. In D. Parsons (Ed.), *Combining E-learning and M-learning: New Applications of Blended Educational Resources* (pp.308–318). Hershey, PA: Information Science Reference.
- boyd, d. & Crawford, K. (2012). Critical questions for big data: Provocations for a cultural, technological, and scholarly phenomenon. *Information, Communication & Society*, 15(5), 662–679.
- Broadband Commission for Digital Development (n.d.). *Broadband Targets for 2015*. http://www.broadbandcommission.org/Documents/Broadband_Targets.pdf
- Buchanan, R. (2011). Paradox, promise and public pedagogy: Implications of the Federal Government's Digital Education Revolution. *Australian Journal of Teacher Education*, 36(2), 67–78. <http://ro.ecu.edu.au/cgi/viewcontent.cgi?article=1524&context=ajte>
- Bull, G. & Anstey, M. (2010). *Evolving Pedagogies: Reading and Writing in a Multimodal World*. Carlton South, VIC: Curriculum Press.
- Bunyard (n.d.). *Mobile Based Post Literacy Programme: Mobile as a Tool for Illiterate Women*. <http://www.bunyard.org.pk/Mobile%20Based%20Literacy.htm>
- Burbules, N.C. (2009). Meanings of 'ubiquitous learning'. In B. Cope & M. Kalantzis (Eds.), *Ubiquitous Learning* (pp.15–20). Urbana, IL: University of Illinois Press.
- Burden, K., Hopkins, P., Male, T., Martin, S. & Trala, C. (2012). *iPad Scotland Evaluation*. Hull: University of Hull. <http://www.janhylen.se/wp-content/uploads/2013/01/Skottland.pdf>

- Byram, M. (1997). *Teaching and Assessing Intercultural Communicative Competence*. Clevedon: Multilingual Matters.
- Campigotto, R., McEwen, R. & Demmans Epp, C. (2013). Especially social: Exploring the use of an iOS application in special needs classrooms. *Computers & Education*, 60, 74–86.
- Carlson, S. (2004, 17 September). With this enrollment, a toy surprise. *The Chronicle of Higher Education*. <http://chronicle.com/article/With-This-Enrollment-a-Toy/12432>
- Carmigniani, J. & Furht, B. (2011). Augmented reality: An overview. In B. Furht (Ed.), *Handbook of Augmented Reality* (pp.3–46). New York: Springer.
- Carr, N. (2008). *The Big Switch: Rewiring the World, from Edison to Google*. New York: W.W. Norton.
- Castells, M. (2008). Afterword. In J.E. Katz (Ed.), *Handbook of Mobile Communication Studies* (pp.447–451). Cambridge, MA: MIT Press.
- . (2010). *The Rise of the Network Society* (2nd ed.). Chichester: Wiley-Blackwell.
- , Fernández-Ardèvol, M., Qiu, J.L. & Sey, A. (2007). *Mobile Communication and Society: A Global Perspective*. Cambridge, MA: MIT Press.
- Centre for Community Child Health [Australia]. (2009). *Television and Early Childhood Development*. Policy Brief No.16. The Royal Children's Hospital Melbourne/Murdoch Children's Research Institute. http://www.rch.org.au/uploadedFiles/Main/Content/ccch/PB_16_template_final_web.pdf
- Chan, T.-W., Roschelle, J., Hsi, S., Kinshuk, Sharples M., Brown, T., Patton, C., et al. (2006). One-to-one technology-enhanced learning: An opportunity for global research collaboration. *Research and Practice in Technology Enhanced Learning*, 1(1), 3–29.
- Chan, W.M., Chen, I.R. & Döpel, M.G. (2011). Podcasting in foreign language learning: Insights for podcast design from a developmental research project. In M. Levy, F. Blin, C. Bradin Siskin & O. Takeuchi (Eds.), *WorldCALL: International Perspectives on Computer-Assisted Language Learning* (pp.19–37). New York: Routledge.
- Chang, C.-K. & Hsu, C.-K. (2011). A mobile-assisted synchronously collaborative translation-annotation system for English as a Foreign Language (EFL) reading comprehension. *Computer-Assisted Language Learning*, 24(2), 155–180.
- Chapelle, C.A. (2009). The relationship between second language acquisition theory and computer-assisted language learning. *The Modern Language Journal*, 93, 741–753.
- Chen, B.X. (2011). *Always On: How the iPhone Unlocked the Anything-Anytime-Anywhere Future – and Locked Us In*. Cambridge, MA: Da Capo.
- Chen, C.-M. & Hsu, S.-H. (2008). Personalized intelligent mobile learning system for supporting effective English learning. *Educational Technology & Society*, 11(3), 153–180. http://www.ifets.info/journals/11_3/12.pdf
- & Li, Y.-L. (2010). Personalised context-aware ubiquitous learning system for supporting effective English vocabulary learning. *Interactive Learning Environments*, 18(4), 341–364.
- Chen, X.-B. (2013). Tablets for informal language learning: Student usage and attitudes. *Language Learning & Technology*, 17(1), 20–36. <http://llt.msu.edu/issues/february2013/chenxb.pdf>

- Chifari, A., Chiazzeze, G., Seta, L., Merlo, G., Ottaviano, S. & Allegra, M. (2010). A reflection on some critical aspects of online reading comprehension. *Informatica*, 34, 491–495.
- Chinnery, G.M. (2006). Going to the MALL: Mobile-assisted language learning. *Language Learning & Technology*, 10(1), 9–16. <http://llt.msu.edu/vol10num1/pdf/emerging.pdf>
- Chonchaiya, W. & Pruksananonda, C. (2008). Television viewing associates with delayed language development. *Acta Paediatrica*, 97, 977–982.
- Christakis, N.A. & Fowler, J.H. (2009). *Connected: The Surprising Power of Our Social Networks and How They Shape Our Lives*. New York: Little, Brown & Co.
- Chun, D.M. (2006). CALL technologies for L2 reading. In L. Ducate & N. Arnold (Eds.), *Calling on CALL: From Theory and Research to New Directions in Foreign Language Teaching* (pp.69–98). San Marcos, TX: CALICO.
- , Jiang, Y. & Ávila, N. (2013). Visualization of tone for learning Mandarin Chinese. In J. Levis & K. LeVelle (Eds.), *Proceedings of the 4th Pronunciation in Second Language Learning and Teaching Conference*, August 2012 (pp.77–89). Ames, IA: Iowa State University.
- Churchill, D. (2006). Teachers' private theories and their design of technology-based learning. *British Journal of Educational Technology*, 37(4), 559–576.
- Cisco. (2012). *Cisco Visual Networking Index: Global Mobile Data Traffic Forecast Update, 2011–2016*. White Paper. http://www.cisco.com/en/US/solutions/collateral/ns341/ns525/ns537/ns705/ns827/white_paper_c11-520862.pdf
- (2013). *Cisco Visual Networking Index: Global Mobile Data Traffic Forecast Update, 2012–2017*. White Paper. http://www.cisco.com/en/US/solutions/collateral/ns341/ns525/ns537/ns705/ns827/white_paper_c11-520862.pdf
- Clark, R.C. & Mayer, R.E. (2011). *E-learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning* (3rd ed.). San Francisco: Pfeiffer.
- , Nguyen, F. & Sweller, J. (2006). *Efficiency in Learning: Evidence-based Guidelines to Manage Cognitive Load*. San Francisco: Pfeiffer.
- Cochrane, T.D. (2014). Critical success factors for transforming pedagogy with mobile web 2.0. *British Journal of Educational Technology*, 45(1), 65–68.
- Cocotas, A. (2013, 31 January). *2013 – The Year Ahead in Mobile*. Business Insider. <http://au.businessinsider.com/2013--the-year-ahead-in-mobile-slide-deck-2013-12>
- Coiro, J. (2009, March). Rethinking online reading assessment. *Educational Leadership*, pp.59–63.
- (2011). Predicting reading comprehension on the internet: Contributions of offline reading skills, online reading skills, and prior knowledge. *Journal of Literacy Research*, 43(4), 352–392.
- Comas-Quinn, A. & Mardomingo, R. (2012). Language learning on the move: A review of mobile blogging tasks and their potential. In J.E. Díaz-Vera (Ed.), *Left to My Own Devices: Learner Autonomy and Mobile-Assisted Language Learning* (pp.47–65). Bingley, West Yorkshire: Emerald Group.
- , Mardomingo, R. & Valentine, C. (2009). Mobile blogs in language learning: Making the most of informal and situated learning opportunities. *ReCALL*, 21(1), 96–112.

- Constantinides, M. (2013, 20 May). From curation to creation. *TEFL Matters*. <http://marisaconstantinides.edublogs.org/2013/05/20/from-curation-to-creation/>
- Cook, J. (2010). Mobile learner generated contexts: Research on the internalization of the world of cultural products. In B. Bachmair (Ed.), *Medienbildung in neuen Kulturräumen: Die deutschsprachige und britische Diskussion* (pp.113–125). Wiesbaden: VS Verlag für Sozialwissenschaften.
- Couros, A. (2010). Developing personal learning networks for open and social learning. In G. Veletsianos (Ed.), *Emerging Technologies in Distance Education* (pp.109–128). Edmonton, AB: Athabasca University Press. http://www.aupress.ca/books/120177/ebook/06_Veletsianos_2010-Emerging_Technologies_in_Distance_Education.pdf
- Crystal, D. (2006). *Language and the Internet* (2nd ed.). Cambridge: Cambridge University Press.
- . (2008). *Txtng: The Gr8 Db8*. Oxford: Oxford University Press.
- . (2011). *Internet Linguistics: A Student Guide*. London: Routledge.
- DEECD (Department of Education and Early Childhood Development) [Victoria, Australia]. (n.d.). Evaluation. *iPads for Learning*. <http://www.ipadsforeducation.vic.edu.au/ipad-student-trial/ipad-research>
- Deloitte/GSMA. (2012). *Sub-Saharan Africa Mobile Observatory 2012*. London: GSMA.
- Demouy, V. & Kukulska-Hulme, A. (2010). On the spot: Using mobile devices for listening and speaking practice on a French language programme. *Open Learning*, 25(3), 217–232.
- Deng, H. & Shao, Y. (2011). Self-directed English vocabulary learning with a mobile application in everyday context. In *10th World Conference on Mobile and Contextual Learning: mLearn 2011 Conference Proceedings*, Beijing, China, 18–21 October (pp.24–31). Beijing: Beijing Normal University. http://mlearn.bnu.edu.cn/source/Conference_Proceedings.pdf
- Deriquito, M. & Domingo, Z. (2012). *Mobile Learning for Teachers in Asia: Exploring the Potential of Mobile Technologies to Support Teachers and Improve Practice*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002162/216284E.pdf>
- de Waard, I. (2013). mMOOC design: Ubiquitous, open learning in the cloud. In Z.L. Berge & L.Y. Muilenburg (Eds.), *Handbook of Mobile Learning* (pp.356–368). New York: Routledge.
- Diaz, V. (2010). *Mobile Teaching and Learning: Engaging Students and Measuring Impact*. ECAR Symposium. <http://net.educause.edu/ir/library/pdf/ECR1005.pdf>
- Dijkers, S. (2011). Dewey buys a smartphone. In S. Dijkers, J. Martin & B. Coulter (Eds.), *Mobile Media Learning: Amazing Uses of Mobile Devices for Learning*. Pittsburgh, PA: ETC Press.
- Dourish, P. (2004). What we talk about when we talk about context. *Personal and Ubiquitous Computing*, 8(1), 19–30.
- Driver, P. (2012). Pervasive games and mobile technologies for embodied language learning. *International Journal of Computer-Assisted Language Learning and Teaching*, 2(4), 50–63.
- Ducate, L. & Lomicka, L. (2009). Podcasting: An effective tool for honing language students' pronunciation? *Language Learning & Technology*, 13(3), 66–86. <http://llt.msu.edu/vol13num3/ducatelomicka.pdf>

- Dudenev, G., Hockly, N. & Pegrum, M. (2013). *Digital Literacies*. Harlow, Essex: Pearson.
- Dykes, G. & Renfrew Knight, H. (2012). *Mobile Learning for Teachers in Europe: Exploring the Potential of Mobile Technologies to Support Teachers and Improve Practice*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002161/216167E.pdf>
- The Economist*. (2012, 21 November). Live and unplugged. <http://www.economist.com/news/21566417-2013-internet-will-become-mostly-mobile-medium-who-will-be-winners-and-losers-live-and>
- . (2013, 5 January). Conquering Babel. <http://www.economist.com/news/science-and-technology/21569014-simultaneous-translation-computer-getting-closer-conquering-babel>
- EIA (English in Action). (2013). About EIA. *English in Action*. <http://www.eiabd.com/eia/index.php/abouts/about-eia>
- Engeström, Y., Miettinen R. & Punamäki, R.-L. (Eds.). (1999). *Perspectives on Activity Theory*. Cambridge: Cambridge University Press.
- Facebook. (2013, 30 January). *Facebook Reports Fourth Quarter and Full Year 2012 Results*. <http://goo.gl/6TIQA>
- Fallahkhalil, S., Pemberton, L. & Griffiths, R. (2007). Development of a cross-platform ubiquitous language learning service via mobile phone and interactive television. *Journal of Computer-Assisted Learning*, 23, 312–325.
- Farago, P. (2013, 18 February). China knocks off U.S. to become world's top smart device market. *Flurry Blog*. <http://blog.flurry.com/bid/94352/China-Knocks-Off-U-S-to-Become-Top-Smartphone-Tablet-Market>
- Fisher, T., Sharples, M., Pemberton, R., Ogata, H., Uosaki, N., Edmonds, P., Hull, A., et al. (2012). Incidental second language vocabulary learning from reading novels: A comparison of three mobile modes. *International Journal of Mobile and Blended Learning*, 4(4), 47–61.
- FitzGerald, E., Adams, A., Ferguson, R., Gaved, M., Mor, Y. & Thomas, R. (2012). Augmented reality and mobile learning: The state of the art. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn 2012: Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.62–69). http://ceur-ws.org/Vol-955/papers/paper_49.pdf
- Fotouhi-Ghazvini, F., Earnshaw, R.A. & Haji-Esmaili, L. (2009). Mobile-assisted language learning in a developing country context. In H. Ugail, R.S.R. Qahwaji, R.A. Earnshaw & P.J. Willis (Eds.), *Proceedings: 2009 International Conference on Cyberworlds*, Bradford, UK, 7–11 September (pp.391–397). Los Alamitos, CA: CPS/IEEE Computer Society.
- , Earnshaw, R., Robison, D., Moeini, A. & Excell, P. (2011). Using a conversational framework in mobile game based learning – Assessment and evaluation. In R. Kwan, C. McNaught, P. Tsang, F.L. Wang & K.C. Li (Eds.), *Enhancing Learning through Technology. Education Unplugged: Mobile Technologies and Web 2.0*, International Conference, ICT 2011, Hong Kong, China, 11–13 July (pp.201–213). Berlin: Springer. <http://scim.brad.ac.uk/staff/pdf/drobison/Springer-HK-FF.pdf>
- Fritschi, J. & Wolf, M.A. (2012a). *Mobile Learning for Teachers in North America: Exploring the Potential of Mobile Technologies to Support Teachers and Improve Practice*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002160/216084E.pdf>

- & Wolf, M.A. (2012b). *Turning on Mobile Learning in North America: Illustrative Initiatives and Policy Implications*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002160/216083E.pdf>
- Gallen, C. (2012, 28 November). Cellular penetration in Africa expected to surpass 80% in 1Q-2013, says ABI research. *Business Wire*. <http://www.businesswire.com/news/home/20121128005874/en/Cellular-Penetration-Africa-Expected-Surpass-80-1Q-2013>
- Garrett, N. (2009). Computer-assisted language learning trends and issues revisited: Integrating innovation. *The Modern Language Journal*, 93, 719–740.
- Gee, J.P. (2003). *What Video Games Have to Teach Us about Learning and Literacy*. New York: Palgrave Macmillan.
- Gjedde, L. & Bo-Kristensen, M. (2012). Workplace mobile-assisted second language learning: Designing for learner generated authenticity. In J.E. Díaz-Vera (Ed.), *Left to My Own Devices: Learner Autonomy and Mobile-Assisted Language Learning* (pp.183–195). Bingley, West Yorkshire: Emerald Group.
- Global Partnership for Education. (n.d.). *Towards Reading for All: Early Grade Reading Assistance in Cambodia*. http://www.globalpartnership.org/media/docs/our_work/ACR_Asia_Workshop/presentations/day1/1210_Towards_Reading_for_All.pdf
- Gonglewski, M. & DuBravac, S. (2006). Multiliteracy: Second language literacy in the multimedia environment. In L. Ducate & N. Arnold (Eds.), *Calling on CALL: From Theory and Research to New Directions in Foreign Language Teaching* (pp.43–68). San Marcos, TX: CALICO.
- Grantham O'Brien, M. (2006). Teaching pronunciation and intonation with computer technology. In L. Ducate & N. Arnold (Eds.), *Calling on CALL: From Theory and Research to New Directions in Foreign Language Teaching* (pp.127–148). San Marcos, TX: CALICO.
- Gray, J.H., Bulat, J., Jaynes, C. & Cunningham, A. (2009). LeapFrog learning design: Playful approaches to literacy, from LeapPad to the tag reading system. In A. Druin (Ed.), *Mobile Technology for Children: Designing for Interaction and Learning* (pp.171–194). Burlington, MA: Morgan Kaufmann.
- Greenfield, S. (2008). *ID: The Quest for Identity in the 21st Century*. London: Sceptre.
- Gromik, N.A. (2012). Cell phone video recording feature as a language learning tool: A case study. *Computers & Education*, 58, 223–230.
- GSMA (Global System for Mobile Communications Association). (2010a). *mLearning: A Platform for Educational Opportunities at the Base of the Pyramid*. London: GSMA. <http://www.gsma.com/mobilefordevelopment/wp-content/uploads/2012/04/mlearningaplatformforeducationalopportunitiesatthebaseofthepyramid.pdf>
- . (2010b). *Women and Mobile: A Global Opportunity*. London: GSMA. http://www.gsma.com/mobilefordevelopment/wp-content/uploads/2013/01/GSMA_Women_and_Mobile-A_Global_Opportunity.pdf
- Gulati, S. (2008). Technology-enhanced learning in developing nations: A review. *International Review of Research in Open and Distance Learning*, 9(1), 1–16.
- Hague, C. & Williamson, B. (2009). *Digital Participation, Digital Literacy, and School Subjects: A Review of the Policies, Literature and Evidence*. Bristol: Futurelab. http://archive.futurelab.org.uk/resources/documents/lit_reviews/DigitalParticipation.pdf

- Hall, J. (2012, 26 December). MP3 players are dead. *Business Insider*. <http://www.businessinsider.com/mp3-players-are-dead-2012-12>
- Han, J. (2012). Robot assisted language learning. *Language Learning & Technology*, 16(3), 1–9. <http://llt.msu.edu/issues/october2012/emerging.pdf>
- Harel, I. & Papert, S. (Eds.). (1991). *Constructionism: Research Reports and Essays, 1985–1990*. Norwood, NJ: Ablex.
- Hargittai, E. (2010). Digital na(t)ives? Variation in internet skills and uses among members of the ‘net generation’. *Sociological Inquiry*, 80(1), 92–113.
- HARP (Handheld Augmented Reality Project). (n.d.). *Handheld Augmented Reality Project (HARP) & Alien Contact! Unit Overview*. <http://isites.harvard.edu/fs/docs/icb.topic135310.files/AlienContactOverview012907.pdf>
- Hayati, A., Jalilifar, A. & Mashhadi, A. (2013). Using short message service (SMS) to teach English idioms to EFL students. *British Journal of Educational Technology*, 44(1), 66–81.
- Heift, T. & Chapelle, C.A. (2012). Language learning through technology. In S.M. Gass & A. Mackey (Eds.), *The Routledge Handbook of Second Language Acquisition* (pp.555–569). London: Routledge.
- & Schulze, M. (2007). *Errors and Intelligence in Computer-Assisted Language Learning: Parsers and Pedagogues*. New York: Routledge.
- Heyward, M. (2002). From international to intercultural: Redefining the international school for a globalized world. *Journal of Research in International Education*, 1(1), 9–32.
- Ho, J. & Thukral, H. (2009). *Tuned In to Student Success: Assessing the Impact of Interactive Radio Instruction for the Hardest-to-Reach*. Washington, DC: EDC. <http://idd.edc.org/sites/idd.edc.org/files/EDC%20Tuned%20in%20to%20Student%20Success%20Report.pdf>
- Hockly, N. & Dudeney, G. (in press). *Going Mobile: Teaching with Hand-held Devices*. Surrey: Delta.
- Holden, C. & Sykes, J. (2011). Mentira: Prototyping language-based locative gameplay. In S. Dijkers, J. Martin & B. Coulter (Eds.), *Mobile Media Learning: Amazing Uses of Mobile Devices for Learning*. Pittsburgh, PA: ETC Press.
- Hou, B., Ogata, H., Miyata, M., Li, M., Liu, Y. & Yano, Y. (2012). JAMIOLAS 3.0: Supporting Japanese mimicry and onomatopoeia learning using sensor data. In D. Parsons (Ed.), *Refining Current Practices in Mobile and Blended Learning: New Applications* (pp.98–112). Hershey, PA: Information Science Reference.
- Hourcade, J.P., Beitler, D., Cormenzana, F. & Flores, P. (2009). Early OLPC experiences in a rural Uruguayan school. In A. Druin (Ed.), *Mobile Technology for Children: Designing for Interaction and Learning* (pp.227–243). Burlington, MA: Morgan Kaufmann.
- Hsu, C.-K., Hwang, G.-J. & Chang, C.-K. (2013). A personalized recommendation-based mobile learning approach to improving the reading performance of EFL students. *Computers & Education*, 63, 327–336.
- , Hwang, G.-J., Chang, Y.-T. & Chang, C.-K. (2013). Effects of video caption modes on English listening comprehension and vocabulary acquisition using handheld devices. *Educational Technology & Society*, 16(1), 403–414. http://www.ifets.info/journals/16_1/35.pdf
- Hwang, W.-Y., Chen, C.-Y. & Chen, H.S.L. (2011). Facilitating EFL writing of elementary school students in familiar situated contexts with mobile devices. In *10th World Conference on Mobile and Contextual Learning: mLearn 2011*

- Conference Proceedings*, Beijing, China, 18–21 October (pp.15–23). Beijing: Beijing Normal University. http://mlearn.bnu.edu.cn/source/Conference_Proceedings.pdf
- Hylén, J. (2012). *Turning on Mobile Learning in Europe: Illustrative Initiatives and Policy Implications*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002161/216165E.pdf>
- IDC (International Data Corporation). (2013, 25 April). More smartphones were shipped in Q1 2013 than feature phones, an industry first according to IDC. IDC. <http://www.idc.com/getdoc.jsp?containerId=prUS24085413>
- Isaacs, S. (2012a). *Mobile Learning for Teachers in Africa and the Middle East: Exploring the Potential of Mobile Technologies to Support Teachers and Improve Practice*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002163/216358E.pdf>
- . (2012b). *Turning on Mobile Learning in Africa and the Middle East: Illustrative Initiatives and Policy Implications*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002163/216359E.pdf>
- ISTE (International Society for Technology in Education). (2012). *NETS*. <http://www.iste.org/standards>
- ITU (International Telecommunication Union). (2012). *Measuring the Information Society: 2012*. Geneva: ITU. http://www.itu.int/en/ITU-D/Statistics/Documents/publications/mis2012/MIS2012_without_Annex_4.pdf
- . (2013). *The World in 2013: ICT Facts and Figures*. Geneva: ITU. <http://www.itu.int/en/ITU-D/Statistics/Documents/facts/ICTFactsFigures2013.pdf>
- Jabr, F. (2013, 11 April). The reading brain in the digital age: The science of paper versus screens. *Scientific American*. <http://www.scientificamerican.com/article.cfm?id=reading-paper-screens>
- James, K.H. & Engelhardt, L. (2012). The effects of handwriting experience on functional brain development in pre-literate children. *Trends in Neuroscience and Education*, 1, 32–42.
- Jewitt, C. (2005). Multimodality, ‘reading’, and ‘writing’ for the 21st century. *Discourse: Studies in the Cultural Politics of Education*, 26(3), 315–331.
- . (2008). Multimodality and literacy in school classrooms. *Review of Research in Education*, 32, 241–267.
- JISC. (Joint Information Systems Committee) [UK]. (2012, 13 December). Using interactive posters with learners. *JISC Regional Support Centre East Midlands*. <http://www.jiscrc.ac.uk/eastmidlands/news/2012/december/using-interactive-posters-with-learners.aspx>
- . (n.d.). *Mobile Learning Infokit*. <http://www.jiscinfonet.ac.uk/infokits/mobile-learning/>
- Johnson, C.A. (2011). *The Information Diet: A Case for Conscious Consumption*. Sebastopol, CA: O’Reilly Media.
- Johnson, L., Adams, S. & Cummins, M. (2012). *NMC Horizon Report: 2012 K–12 Edition*. Austin, TX: New Media Consortium. <http://www.nmc.org/pdf/2012-horizon-report-K12.pdf>
- , Adams Becker, S., Cummins, M., Estrada, V., Freeman, A. & Ludgate, H. (2013). *NMC Horizon Report: 2013 Higher Education Edition*. Austin, TX: New Media Consortium. <http://www.nmc.org/pdf/2013-horizon-report-HE.pdf>
- Joseph, S.R.H. & Uther, M. (2009). Mobile devices for language learning: Multimedia approaches. *Research and Practice in Technology Enhanced Learning*, 4(1), 7–32.

- Kagohara, D.M., van der Meer, L., Ramdoss, S., O'Reilly, M.F., Lancioni, G.E., Davis, T.N., Rispoli, M., et al. (2013). Using iPods and iPads in teaching programs for individuals with developmental disabilities: A systematic review. *Research in Developmental Disabilities*, 34, 147–156.
- Kaku, M. (2011). *Physics of the Future: How Science Will Shape Human Destiny and Our Daily Lives by the Year 2100*. London: Allen Lane.
- Kalantzis, M. & Cope, B. (2012). *Literacies*. Port Melbourne, VIC: Cambridge University Press.
- Kam, M. (2013). Mobile learning games for low-income children in India: Lessons from 2004–2009. In Z.L. Berge & L.Y. Muilenburg (Eds.), *Handbook of Mobile Learning* (pp.617–627). New York: Routledge.
- Kemp, N. (2011). Mobile technology and literacy: Effects across cultures, abilities and the lifespan. *Journal of Computer-Assisted Learning*, 27(1), 1–3.
- Kennedy, C. & Levy, M. (2008). L'italiano al telefonino: Using SMS to support beginners' language learning. *ReCALL*, 20(3), 315–330.
- Kenning, M.-M. (2007). *ICT and Language Learning: From Print to the Mobile Phone*. Basingstoke, Hampshire: Palgrave Macmillan.
- Keogh, K.A. (2011). Using mobile phones for teaching, learning and assessing Irish in Ireland: Processes, benefits and challenges. In W. Ng (Ed.), *Mobile Technologies and Handheld Devices for Ubiquitous Learning: Research and Pedagogy* (pp.237–258). Hershey, PA: Information Science Reference.
- Khanna, A. & Khanna, P. (2012). *Hybrid Reality: Thriving in the Emerging Human-Technology Civilization*. New York: TED Conferences.
- Kimyayi, K. (2012). *Effective Mobile-Assisted Language Learning: A New Way to Educational Success*. Saarbrücken: Lambert Academic Publishing.
- Klopfer, E. (2008). *Augmented Learning: Research and Design of Mobile Educational Games*. Cambridge, MA: MIT Press.
- . (2011). New section. In S. Dijkers, J. Martin & B. Coulter (Eds.), *Mobile Media Learning: Amazing Uses of Mobile Devices for Learning*. Pittsburgh, PA: ETC Press.
- Kolb, L. (2008). *Toys to Tools: Connecting Student Cell Phones to Education*. Eugene, OR: ISTE.
- Kramsch, C. (1993). *Context and Culture in Language Teaching*. Oxford: Oxford University Press.
- Krashen, S. (1985). *The Input Hypothesis: Issues and Implications*. London: Longman.
- Kress, G. (2003). *Literacy in the New Media Age*. London: Routledge.
- . (2010). *Multimodality: A Social Semiotic Approach to Contemporary Communication*. London: Routledge.
- Kukulska-Hulme, A. (2009). Conclusions: Future directions in researching mobile learning. In G. Vavoula, N. Pachler & A. Kukulska-Hulme (Eds.), *Researching Mobile Learning: Frameworks, Tools and Research Designs* (pp.351–363). Oxford: Peter Lang.
- . (2010a). Mobile learning as a catalyst for change. *Open Learning*, 25(3), 181–185. http://oro.open.ac.uk/23773/2/Open_Learning_editorial_Accepted_Manuscript.pdf
- . (2010b). *Mobile Learning for Quality Education and Social Inclusion*. Policy Brief. Moscow: UNESCO Institute for Information Technologies in Education. <http://iite.unesco.org/pics/publications/en/files/3214679.pdf>

- . (2011). Learning a language from your mobile phone – A good idea? In E. Jackson Stuart (Ed.), *Upgrading Development: Can Technology Alleviate Poverty?* (p.28). Cambridge: The Humanitarian Centre. <http://www.humanitariancentre.org/wp-content/uploads/2010/09/2011-International-Development-Report.pdf>
- . (2012). Prospects for inclusive mobile learning. In M. Allegra, M. Arrigo, V. Dal Grande, P. Denaro, D. La Guardia, S. Ottaviano & G. Todaro (Eds.), *Mobile Learning for Visually Impaired People* (pp.13–25). Palermo: Consiglio Nazionale delle Ricerche, Istituto per le Tecnologie Didattiche. <http://oro.open.ac.uk/34206/1/Agnes1.pdf>
- . (2013a). *Aligning Migration with Mobility: Female Immigrants Using Smart Technologies for Informal Learning Show the Way*. Presented at UNESCO Mobile Learning Week Symposium, Paris, France, 18–19 February. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/unesco-mobile-learning-week/keynote-speakers/agnes-kukulska-hulme/>
- . (2013b). Limelight on mobile learning: Integrating education and innovation. *Harvard International Review*, Spring, 12–16.
- & Bull, S. (2009). Theory-based support for mobile language learning: Noticing and recording. *International Journal of Interactive Mobile Technologies*, 3(2), 12–18. <http://online-journals.org/i-jim/article/view/740/873>
- & Shield, L. (2008). An overview of mobile-assisted language learning: From content delivery to supported collaboration and interaction. *ReCALL*, 20(3), 271–289.
- Kumaravadivelu, B. (2006). *Understanding Language Teaching: From Method to Postmethod*. Mahwah, NJ: Lawrence Erlbaum.
- Lam, W.S.E. & Kramsch, C. (2003). The ecology of an SLA community in a computer-mediated environment. In J. Leather & J. van Dam (Eds.), *Ecology of Language Acquisition* (pp.141–158). Dordrecht: Kluwer Academic.
- Lamy, M.-N. & Goodfellow, R. (2010). Telecollaboration and learning 2.0. In S. Guth & F. Helm (Eds.), *Telecollaboration 2.0: Language, Literacies and Intercultural Learning in the 21st Century* (pp.107–138). Bern: Peter Lang.
- Larsen-Freeman, D. & Cameron, L. (2008). *Complex Systems and Applied Linguistics*. Oxford: Oxford University Press.
- Laurillard, D. (2012). *Teaching as a Design Science: Building Pedagogical Patterns for Learning and Technology*. New York: Routledge.
- Lave, J. & Wenger, E. (1991). *Situated Learning: Legitimate Peripheral Participation*. Cambridge: Cambridge University Press.
- Leadbeater, C. (and 257 other people). (2008). *We-think*. London: Profile Books.
- Leier, V. (2012). Facebook used in a German film project. *The EUROCALL Review*, 20(1), 95–99. http://www.eurocall-languages.org/review/20/papers_20/22_leier.pdf
- Leigh Bassendowski, S. & Petručka, P. (2013). Are 20th-century methods of teaching applicable in the 21st century? *British Journal of Educational Technology*, 44(4), 665–667.
- Lenhart, A., Arafeh, S., Smith, A. & Rankin Macgill, A. (2008). *Writing, Technology and Teens*. Washington, DC: Pew Internet. http://www.pewinternet.org/~media/Files/Reports/2008/PIP_Writing_Report_FINAL3.pdf.pdf
- Leone, S. & Leo, T. (2011). The synergy of paper-based and digital material for ubiquitous foreign language learners. *Knowledge Management &*

- E-learning*, (3)3, 319–341. <http://www.kmel-journal.org/ojs/index.php/online-publication/article/viewFile/123/101>
- Levy, M. (2009). Technologies in use for second language learning. *The Modern Language Journal*, 93, 769–782.
- & Kennedy, C. (2005). Learning Italian via mobile SMS. In A. Kukulska-Hulme & J. Traxler (Eds.), *Mobile Learning: A Handbook for Educators and Trainers* (pp.76–83). London: Routledge.
- & Stockwell, G. (2006). *CALL Dimensions: Options and Issues in Computer-Assisted Language Learning*. New York: Lawrence Erlbaum.
- Livingstone, S. (2009). *Children and the Internet: Great Expectations, Challenging Realities*. Cambridge: Polity Press.
- . (2012). Critical reflections on the benefits of ICT in education. *Oxford Review of Education*, 38(1), 9–24.
- Lomicka, L. & Lord, G. (2012). A tale of tweets: Analyzing microblogging among language learners. *System*, 40, 48–63.
- Long, M.H. (1996). The role of the linguistic environment in second language acquisition. In W.C. Ritchie & T.K. Bhatia (Eds.), *Handbook of Language Acquisition. Vol. 2: Second Language Acquisition* (pp.413–468). New York: Academic Press.
- Looi, C.-K., Seow, P., Zhang, B., So, H.-J., Chen, W. & Wong, L.-H. (2010). Leveraging mobile technology for sustainable seamless learning: A research agenda. *British Journal of Educational Technology*, 41(2), 154–169.
- Lord, G. (2008). Podcasting communities and second language pronunciation. *Foreign Language Annals*, 41(2), 364–379.
- Lotherington, H. & Jenson, J. (2011). Teaching multimodal and digital literacy in L2 settings: New literacies, new basics, new pedagogies. *Annual Review of Applied Linguistics*, 31, 226–246.
- Luckin, R. (2010). *Learning, Context and the Role of Technology*. Hoboken, NJ: Taylor & Francis.
- Lugo, M.T. & Schurmann, S. (2012). *Turning on Mobile Learning in Latin America: Illustrative Initiatives and Policy Implications*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002160/216080E.pdf>
- Lumley, T. & Mendelovits, J. (2012). How well do young people deal with contradictory and unreliable information on line? What the PISA digital reading assessment tells us. *ACEReSearch*. <http://research.acer.edu.au/pisa/3>
- MacKinnon, R. (2012). *Consent of the Networked: The Worldwide Struggle for Internet Freedom*. New York: Basic Books.
- Mangen, A. & Velay, J.-L. (2010). Digitizing literacy: Reflections on the haptics of writing. In M.H. Zadeh (Ed.), *Advances in Haptics* (pp.385–401). Vukovar, Croatia: In-Tech.
- Mayer, R.E. (2009). *Multimedia Learning* (2nd ed.). New York: Cambridge University Press.
- Meeker, M. (2012). *Internet Trends @ Stanford – Bases*, 3 December. KPCB. <http://www.kpcb.com/insights/2012-internet-trends-update>
- & Wu, L. (2013). *Internet Trends: D11 Conference*, 29 May. KPCB. <http://www.kpcb.com/insights/2013-internet-trends>
- Melhuish, K. & Falloon, G. (2010). Looking to the future: M-learning with the iPad. *Computers in New Zealand Schools*, 22(3). <http://education2x.otago.ac.nz/cinzs/mod/resource/view.php?id=114>

- Merchant, G. (2012). Mobile practices in everyday life: Popular digital technologies and schooling revisited. *British Journal of Educational Technology*, 43(5), 770–782.
- Meskill, C. & Anthony, N. (2010). *Teaching Languages Online*. Bristol: Multilingual Matters.
- Milgram, P. & Kishino, F. (1994). A taxonomy of mixed reality visual displays. *IEICE Transactions on Information Systems*, E77-D(12). http://etclub.mie.utoronto.ca/people/paul_dir/IEICE94/ieice.html
- Miller, S.M. & McVee, M.B. (2012). Changing the game: Teaching for embodied learning through multimodal composing. In S.M. Miller & M.B. McVee (Eds.), *Multimodal Composing in Classrooms: Learning and Teaching for the Digital World* (pp.130–152). New York: Routledge.
- Mills, K.A. (2010). Shrek meets Vygotsky: Rethinking adolescents' multimodal literacy practices in schools. *Journal of Adolescent & Adult Literacy*, 54(1), 35–45.
- Milrad, M., Wong, L.-H., Sharples, M., Hwang, G.-J., Looi, C.-K. & Ogata, H. (2013). Seamless learning: An international perspective on next-generation technology-enhanced learning. In Z.L. Berge & L.Y. Muilenburg (Eds.), *Handbook of Mobile Learning* (pp.95–108). New York: Routledge.
- Mishra, P. & Kerehuik, K. (2011). *What is 21st Century Learning? A Review and Synthesis*. Presented at SITE 2011, Nashville, USA, 7–11 March. http://punya.educ.msu.edu/presentations/site2011/SITE_2011_21st_Century.pdf
- & Koehler, M.J. (2006). Technological pedagogical content knowledge: A framework for teacher knowledge. *Teachers College Record*, 108(6), 1017–1054.
- Miyazawa, I. (2009). *Literacy Promotion through Mobile Phones*. Project brief paper. Presented at the 13th UNESCO-APEID International Conference and World Bank-KERIS High Level Seminar on ICT in Education, Hangzhou, China, 15–17 November. http://unesco.org.pk/education/documents/Project%20Brief%20Paper_ICT.pdf
- MoLeNET. (2010). Welcome to the Mobile Learning Network (MoLeNET). *MoLeNET*. <http://web.archive.org/web/20100830073550/http://www.molenet.org.uk/>
- Monahan, T. (2002). Flexible space and built pedagogy: Emerging IT embodiments. *Inventio*, 4(1), 1–19. <http://www.torinmonahan.com/papers/Inventio.html>
- Morozov, E. (2011). *The Net Delusion: The Dark Side of Internet Freedom*. New York: Public Affairs.
- Motallebzadeh, K. & Ganjali, R. (2011). SMS: Tool for L2 vocabulary retention and reading comprehension ability. *Journal of Language Teaching and Research*, 2(5), 1111–1115. <http://ojs.academypublisher.com/index.php/jltr/article/view/020511111115/3616>
- Moyle, K. (2010). *Building Innovation: Learning with Technologies*. Camberwell, VIC: ACER Press. <http://research.acer.edu.au/cgi/viewcontent.cgi?article=1009&context=aer>
- Murray, O.T. & Olcese, N.R. (2011, November/December). Teaching and learning with iPads, ready or not? *TechTrends*, 55(6), 42–48.
- Mwanza-Simwami, D., Kukulska-Hulme, A., Clough, G., Whitelock, D., Ferguson, R. & Sharples, M. (2011). *Methods and Models of Next Generation Technology Enhanced Learning*. White Paper. Alpine Rendezvous, 28–29 March,

- La Clusaz, France. http://oro.open.ac.uk/29056/1/Methods_and_models_of_next_generation_TEL.pdf
- Nah, K.C., White, P. & Sussex, R. (2008). The potential of using a mobile phone to access the internet for learning EFL listening skills within a Korean context. *ReCALL*, 20(3), 331–347.
- Naismith, L., Lonsdale, P., Vavoula, G. & Sharples, M. (2006). *Report 11: Literature Review in Mobile Technologies and Learning*. Bristol: Futurelab. http://www2.futurelab.org.uk/resources/documents/lit_reviews/Mobile_Review.pdf
- National Cancer Institute [USA]. (2012). *Cell Phones and Cancer Risk*. National Cancer Institute Fact Sheet. <http://www.cancer.gov/cancertopics/factsheet/Risk/cellphones>
- NCTE (National Council of Teachers of English) [USA]. (2005). *Position Statement on Multimodal Literacies*. [Approved November 2005.] <http://www.ncte.org/positions/statements/multimodalliteracies>
- . (2013). *The NCTE Definition of 21st Century Literacies*. Position Statement. [Adopted 15 February 2008; updated February 2013.] <http://www.ncte.org/positions/statements/21stcentdefinition>
- Ng, W. (2011). mLearning literacy. In *10th World Conference on Mobile and Contextual Learning: mLearn 2011 Conference Proceedings*, Beijing, China, 18–21 October (pp.163–172). Beijing: Beijing Normal University. http://mlearn.bnu.edu.cn/source/Conference_Proceedings.pdf
- & Nicholas, H. (2013). A framework for sustainable mobile learning in schools. *British Journal of Educational Technology*, 44(5), 695–715.
- Nielsen, J. (2011, 28 February). Mobile content is twice as difficult. *NN/g*. <http://www.nngroup.com/articles/mobile-content-is-twice-as-difficult/>
- Norton, B. (2000). *Identity and Language Learning: Gender, Ethnicity, and Educational Change*. Harlow, Essex: Longman.
- Oakley, G., Howitt, C., Garwood, R. & Durack, A.-R. (2013). Becoming multimodal authors: Pre-service teachers' interventions to support young children with autism. *The Australian Journal of Early Childhood*, 38(3), online.
- , Pegrum, M., Faulkner, R. & Striepe, M. (2012). *Exploring the Pedagogical Applications of Mobile Technologies for Teaching Literacy*. Report for the Association of Independent Schools of Western Australia. <http://www.education.uwa.edu.au/research/?a=2195652>
- O'Dowd, R. & Ritter, M. (2006). Understanding and working with 'failed communication' in telecollaborative exchanges. *CALICO Journal*, 23(3), 623–642. https://calico.org/html/article_112.pdf
- Ogata, H. (2011). Supporting awareness in ubiquitous learning. In D. Parsons (Ed.), *Combining E-learning and M-learning: New Applications of Blended Educational Resources* (pp.108–116). Hershey, PA: Information Science Reference.
- , Hui, G.L., Yin, C., Ueda, T., Oishi, Y. & Yano, Y. (2008). LOCH: Supporting mobile language learning outside classrooms. *International Journal of Mobile Learning and Organisation*, 2(3), 271–282.
- , Yin, C., El-Bishouty, M.M. & Yano, Y. (2010). Computer supported ubiquitous learning environment for vocabulary learning. *International Journal of Learning Technology*, 5(1), 5–24.
- O'Malley, C., Vavoula, G., Glew, J.P., Taylor, J., Sharples, M., Lefrere, P., Lonsdale, P., et al. (2005). *Guidelines for Learning/Teaching/Tutoring in a Mobile Environment*. MOBIlearn. http://www.mobilearn.org/download/results/public_deliverables/MOBIlearn_D4.1_Final.pdf

- Ono, Y. & Ishihara, M. (2012). Integrating mobile-based individual activities into the Japanese EFL classroom. *International Journal of Mobile Learning and Organisation*, 6(2), 116–137.
- O'Reilly, T. & Battelle, J. (2009). *Web Squared: Web 2.0 Five Years On*. Sebastopol, CA: O'Reilly Media. http://assets.en.oreilly.com/1/event/28/web2009_websquared-whitepaper.pdf
- P21 (Partnership for 21st Century Skills) [USA]. (n.d.). *Framework for 21st Century Learning*. <http://www.p21.org/overview/skills-framework>
- Pachler, N. (2009). Research methods in mobile and informal learning: Some issues. In G. Vavoula, N. Pachler & A. Kukulska-Hulme (Eds.), *Researching Mobile Learning: Frameworks, Tools and Research Designs* (pp.1–15). Oxford: Peter Lang.
- , Bachmair, B. & Cook, J. (2010). *Mobile Learning: Structures, Agency, Practices*. New York: Springer.
- Paivio, A. (2007). *Mind and Its Evolution: A Dual Coding Theoretical Approach*. Mahwah, NJ: Lawrence Erlbaum.
- Palalas, A. (2012). Mobile-enabled language learning eco-system. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn 2012: Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.1–8). http://ceur-ws.org/Vol-955/papers/paper_35.pdf
- Palfreyman, D.M. (2012). Bringing the world into the institution: Mobile intercultural learning for staff and students. In J.E. Díaz-Vera (Ed.), *Left to My Own Devices: Learner Autonomy and Mobile-Assisted Language Learning* (pp.163–181). Bingley, West Yorkshire: Emerald Group.
- Papadima-Sophocleous, S. (in press). Integrating computer assisted language learning into out-of-class extended learning: The impact of iPod Touch-supported repeated reading on the oral reading fluency of English for specific academic purposes students.
- Pariser, E. (2011). *The Filter Bubble: What the Internet is Hiding from You*. London: Viking.
- Parry, D. (2011). Mobile perspectives on teaching: Mobile literacy. *EDUCAUSE Review*, 46(2). <http://www.educause.edu/ero/article/mobile-perspectives-teaching-mobile-literacy>
- Payne, J.S. & Ross, B.M. (2005). Synchronous CMC, working memory, and L2 oral proficiency development. *Language Learning & Technology*, 9(3), 35–54. <http://llt.msu.edu/vol9num3/pdf/payne.pdf>
- & Whitney, P.J. (2002). Developing L2 oral proficiency through synchronous CMC: Output, working memory, and interlanguage development. *CALICO Journal*, 20(1), 7–32. https://calico.org/html/article_327.pdf
- Peachey, N. (2011, 30 April). Augmented reality and web 3.0. *Delta Publishing*. <http://www.deltapublishing.co.uk/uncategorized/augmented-reality-and-web-3-0>
- . (2012, 6 April). Getting learning out of the classroom with augmented reality. *Nik's Learning Technology Blog*. <http://nikpeachey.blogspot.co.uk/2012/04/getting-learning-out-of-classroom-with.html>
- Pegrum, M. (2008). Film, culture and identity: Critical intercultural literacies for the language classroom. *Language and Intercultural Communication*, 8(2), 136–154.
- . (2009). *From Blogs to Bombs: The Future of Digital Technologies in Education*. Crawley, WA: UWA Publishing.

- . (2010). 'I link, therefore I am': Network literacy as a core digital literacy. *E-learning and Digital Media*, 7(4), 346–354.
- , Oakley, G. & Faulkner, R. (2013). Schools going mobile: A study of the adoption of mobile handheld technologies in Western Australian independent schools. *Australasian Journal of Educational Technology*, 29(1), 66–81. <http://www.ascilite.org.au/ajet/submission/index.php/AJET/article/view/64/25>
- Petersen, S.A., Divitini, M. & Chabert, G. (2008). Identity, sense of community and connectedness in a community of mobile language learners. *ReCALL*, 20(3), 361–379.
- , Markiewicz, J.-K. & Bjørnebekk, S.S. (2009). Personalized and contextualized language learning: Choose when, where and what. *Research and Practice in Technology Enhanced Learning*, 4(1), 33–60.
- Pettit, J. & Kukulska-Hulme, A. (2011). Mobile 2.0: Crossing the border into formal learning? In M.J.W. Lee & C. McLoughlin (Eds.), *Web 2.0-based E-learning: Applying Social Informatics for Tertiary Teaching* (pp.192–208). Hershey, PA: Information Science Reference. http://oro.open.ac.uk/22867/1/pettit_chap_lee_book.pdf
- Pimmer, C., Linxen, S. & Gröhbriel, U. (2012). Facebook as a learning tool? A case study on the appropriation of social network sites from mobile phones in developing countries. *British Journal of Educational Technology*, 43(5), 726–738.
- Plester, B., Wood, C. & Bowyer, S. (2009). Children's text messaging and traditional literacy. In L. Tan Wee Hin & R. Subramaniam (Eds.), *Handbook of Research on New Media Literacy at the K–12 Level: Issues and Challenges* (pp.492–504). Hershey, PA: Information Science Reference.
- Potter, G. (2011). Augmented reality and mobile technologies. In A. Kitchenham (Ed.), *Models for Interdisciplinary Mobile Learning: Delivering Information to Students* (pp.212–230). Hershey, PA: Information Science Reference.
- Prensky, M. (2012a, January–February). Eliminating the 'app gap'. *Educational Technology*. <http://marcprensky.com/writing/Prensky-EDTECH-EliminatingtheAppGap-Jan-Feb-2012.pdf>
- . (2012b). *From Digital Natives to Digital Wisdom: Hopeful Essays for 21st Century Learning*. Thousand Oaks, CA: Corwin.
- Puentedura, R.R. (2011). A brief introduction to TPACK and SAMR. Freeport workshop slides, 8 December. *Ruben R. Puentedura's Weblog*. <http://www.hippasus.com/trpweblog/archives/2011/12/08/BriefIntroTPCKSAMR.pdf>
- . (2012). *Building upon SAMR*. Presented at Presbyterian Ladies' College, Perth, Australia, 14 September.
- Quinn, C.N. (2000). mLearning: Mobile, wireless, in-your-pocket learning. *LiNE Zine*, Fall. <http://www.linezine.com/2.1/features/cqmmwiyp.htm>
- . (2012). *The Mobile Academy: mLearning for Higher Education*. San Francisco: Jossey-Bass.
- . (2013). A future for m-learning. In Z.L. Berge & L.Y. Muilenburg (Eds.), *Handbook of Mobile Learning* (pp.82–94). New York: Routledge.
- Quitney Anderson, J. & Rainie, L. (2012). *The Web is Dead? ...* Washington, DC: Pew Internet. http://pewinternet.org/~media/Files/Reports/2012/PIP_Future_of_Apps_and_Web.pdf
- Rainger, P. (2005). Accessibility and mobile learning. In A. Kukulska-Hulme & J. Traxler (Eds.), *Mobile Learning: A Handbook for Educators and Trainers* (pp.57–69). London: Routledge.

- Rainie, L. (2012). *Networked Learners*. Presented at The Free Learning 2.0 Conference, 22 August. http://www.pewinternet.org/~media/Files/Presentations/2012/August/82212_NetworkedLearners_Learning20_PDF.pdf
- & Duggan, M. (2012, 27 December). *E-book Reading Jumps; Print Book Reading Declines*. Washington, DC: Pew Internet. http://libraries.pewinternet.org/files/legacy-pdf/PIP_Reading%20and%20ebooks_12.27.pdf
- & Wellman, B. (2012). *Networked: The New Social Operating System*. Cambridge, MA: MIT Press.
- Ranieri, M., Manca, S. & Fini, A. (2012). Why (and how) do teachers engage in social networks? An exploratory study of professional use of Facebook and its implications for lifelong learning. *British Journal of Educational Technology*, 43(5), 754–769.
- Reinders, H. & Wattana, S. (2012). Talk to me! Games and students' willingness to communicate. In H. Reinders (Ed.), *Digital Games in Language Learning and Teaching* (pp.156–188). Basingstoke, Hampshire: Palgrave Macmillan.
- Rheingold, H. (2012). *Net Smart: How to Thrive Online*. Cambridge, MA: MIT Press.
- Richardson, W. & Mancabelli, R. (2011). *Personal Learning Networks: Using the Power of Connections to Transform Education*. Bloomington, IN: Solution Tree Press.
- Ring, C. & LaMarche, M. (2012). *Mobile Technology and Communication*. ABA Literature Summary E-newsletter, 10. Special Learning.
- Rivers, D.J. (2009). Utilizing the quick response (QR) code within a Japanese EFL environment. *The JALT CALL Journal*, 5(2), 15–28. http://journal.jaltcall.org/articles/5_2_Rivers.pdf
- Roberts, J.B. (2013). Accessibility in m-learning: Ensuring equal access. In Z.L. Berge & L.Y. Muilenburg (Eds.), *Handbook of Mobile Learning* (pp.427–435). New York: Routledge.
- Robison, D. (2012). Learning on location with AMI: The potentials and dangers of mobile gaming for language learning. In J.E. Díaz-Vera (Ed.), *Left to My Own Devices: Learner Autonomy and Mobile-Assisted Language Learning* (pp.67–88). Bingley, West Yorkshire: Emerald Group.
- Rosell-Aguilar, F. (2007). Top of the pods – In search of a podcasting 'podagogy' for language learning. *Computer-Assisted Language Learning*, 20(5), 471–492.
- . (2009). Podcasting for language learning: Re-examining the potential. In L. Lomicka & G. Lord (Eds.), *The Next Generation: Social Networking and Online Collaboration in Foreign Language Learning* (pp.13–34). San Marcos, TX: CALICO.
- Ros i Solé, C. (2009). The fleeting, the situated and the mundane: Ethnographic approaches to mobile language learning (MALL). In G. Vavoula, N. Pachler & A. Kukulska-Hulme (Eds.), *Researching Mobile Learning: Frameworks, Tools and Research Designs* (pp.137–150). Oxford: Peter Lang.
- , Calic, J. & Neijmann, D. (2010). A social and self-reflective approach to MALL. *ReCALL*, 22(1), 39–52.
- Rushby, N. (2012). Editorial: An agenda for mobile learning. *British Journal of Educational Technology*, 43(3), 355–356.
- Russell, T.L. (2010). *No Significant Difference*. WCET. <http://www.nosignificantdifference.org/>
- Sándor, S. (2012). *Introduction to Augmented Reality*. Budapest: Karmamedia.

- Sansone, M. (2008, 2 October). Hey teachers! Your 'digital natives' still need you. *ConverStations*. <http://www.converstations.com/2008/10/hey-teachers-yo.html>
- Saran, M., Seferoğlu, G. & Çağltay, K. (2012). Mobile language learning: Contribution of multimedia messages via mobile phones in consolidating vocabulary. *The Asia-Pacific Education Researcher*, 21(1), 181–190.
- Schmidt, R.W. (1990). The role of consciousness in second language learning. *Applied Linguistics*, 11(2), 129–158.
- Selwyn, N. (2011). *Education and Technology: Key Issues and Debates*. London: Continuum.
- . (2013). *Education in a Digital World: Global Perspectives on Technology and Education*. New York: Routledge.
- Servaes, J. (2011). The role of information communication technologies within the field of communication for social change. In A.G. Abdel-Wahab & A.A.A. El-Masry (Eds.), *Mobile Information Communication Technologies Adoption in Developing Countries: Effects and Implications* (pp.218–236). Hershey, PA: Information Science Reference.
- Shaheen, R. & Lace, R. (2013). *English in Action: Innovation Using Mobile for Classroom and Adult Learning in Bangladesh*. Presented at UNESCO Mobile Learning Week Symposium, Paris, France, 18–19 February. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/unesco-mobile-learning-week/speakers/richard-lace-and-robina-shaheen/>
- Sharples, M., Taylor, J. & Vavoula, G. (2007). A theory of learning for the mobile age. In R. Andrews & C. Haythornthwaite (Eds.), *The Sage Handbook of E-learning Research* (pp.221–247). London: Sage.
- , Taylor, J. & Vavoula, G. (2010). A theory of learning for the mobile age: Learning through conversation and exploration across contexts. In B. Bachmair (Ed.), *Medienbildung in neuen Kulturräumen: Die deutschsprachige und britische Diskussion* (pp.87–99). Wiesbaden: VS Verlag für Sozialwissenschaften.
- Shrestha, P. (2011). The potential of mobile technologies for (English) language learning in Nepal. *Journal of NELTA*, 16(1–2), 107–113.
- . (2012). Teacher professional development using mobile technologies in a large-scale project: Lessons learned from Bangladesh. *International Journal of Computer-Assisted Language Learning and Teaching*, 2(4), 34–49.
- Siemens, G. & Tittenberger, P. (2009). *Handbook of Emerging Technologies for Learning*. <http://elearnspace.org/Articles/HETL.pdf>
- Simon Fraser University. (n.d.). *Learn Greek Mobile App: Odysseas Greek Language Tutor*. <http://www.greeklanguageutor.com/iphone/>
- Small, G. & Vorgan, G. (2008). *iBrain: Surviving the Technological Alteration of the Modern Mind*. New York: Collins.
- Smith, M. & Kukulka-Hulme, A. (2012). Building mobile learning capacity in higher education: E-books and iPads. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn 2012: Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.298–301). http://ceur-ws.org/Vol-955/papers/paper_31.pdf
- So, H.-J. (2012). *Turning on Mobile Learning in Asia: Illustrative Initiatives and Policy Implications*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002162/216283E.pdf>
- Song, Y. & Fox, R. (2008). Using PDA for undergraduate student incidental vocabulary testing. *ReCALL*, 20(3), 290–314.

- Squire, K. (2009). Mobile media learning: Multiplicities of place. *On the Horizon*, 17(1), 70–80.
- Sreekumar, T.T. & Rivera-Sánchez, M. (2008). ICTs and development: Revisiting the Asian experience. *Science, Technology & Society*, 13(2), 159–174.
- Stead, G. (2013). *Mobilizing Teachers: Bridging the Gap between Theory, and Practice*. Presented at UNESCO Mobile Learning Week Symposium, Paris, France, 18–19 February. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/unesco-mobile-learning-week/speakers/geoff-stead/>
- Steel, C.H. & Levy, M. (2013). Language students and their technologies: Charting the evolution 2006–2011. *ReCALL*, 25(3), 306–320.
- Steinkuehler, C. (2007). Massively multiplayer online gaming as a constellation of literacy practices. In B.E. Shelton & D. Wiley (Eds.), *The Design and Use of Simulation Computer Games in Education* (pp.187–212). Rotterdam: Sense Publishers.
- Stockwell, G. (2008). Investigating learner preparedness for and usage patterns of mobile learning. *ReCALL*, 20(3), 253–270.
- . (2010). Using mobile phones for vocabulary activities: Examining the effect of the platform. *Language Learning & Technology*, 14(2), 95–110. <http://llt.msu.edu/vol14num2/stockwell.pdf>
- . (2013a). Mobile-assisted language learning. In M. Thomas, H. Reinders & M. Warschauer (Eds.), *Contemporary Computer-Assisted Language Learning* (pp.201–216). London: Bloomsbury.
- . (2013b). Tracking learner usage of mobile phones for language learning outside of the classroom. In P. Hubbard, M. Schulze & B. Smith (Eds.), *Learner-Computer Interaction in Language Education: A Festschrift in Honor of Robert Fischer* (pp.118–136). San Marcos, TX: CALICO.
- Stodd, J. (2012). *A Mindset for Mobile Learning: A Journey through Theory and Practice*. Smashwords.
- Sussex, R. (2012). Text input and editing as a bottleneck in mobile devices for language learning. In F. Zhang (Ed.), *Computer-Enhanced and Mobile-Assisted Language Learning: Emerging Issues and Trends* (pp.220–234). Hershey, PA: Information Science Reference.
- Swain, M. (1985). Communicative competence: Some roles of comprehensible input and comprehensible output in its development. In S. Gass & C. Madden (Eds.), *Input in Second Language Acquisition* (pp.235–253). Rowley, MA: Newbury House.
- Sweeney, T., Sharples, M. & Pemberton, R. (2011). Toponimo: A geosocial pervasive game for English second language learning. In *10th World Conference on Mobile and Contextual Learning: mLearn 2011 Conference Proceedings*, Beijing, China, 18–21 October (pp.417–420). Beijing: Beijing Normal University. http://mlearn.bnu.edu.cn/source/Conference_Proceedings.pdf
- Sydorenko, T. (2010). Modality of input and vocabulary acquisition. *Language Learning & Technology*, 14(2), 50–73. <http://llt.msu.edu/vol14num2/sydorenko.pdf>
- Sykes, J.M. (2005). Synchronous CMC and pragmatic development: Effects of oral and written chat. *CALICO Journal*, 22(3), 399–431. https://calico.org/html/article_142.pdf
- Tabatabaei, O. & Goojani, A.H. (2012). The impact of text-messaging on vocabulary learning of Iranian EFL learners. *Cross-Cultural Communication*, 8(2), 47–55.

- Tacchi, J., Kitner, K.R. & Crawford, K. (2012). Meaningful mobility: Gender, development and mobile phones. *Feminist Media Studies*, 12(4), 528–537.
- Takayoshi, P. & Selfe, C.L. (2007). Thinking about multimodality. In C.L. Selfe (Ed.), *Multimodal Composition: Resources for Teachers* (pp.1–12). Cresskill, NJ: Hampton Press.
- Tam, V. & Huang, C. (2011). An innovative application for learning to write Chinese characters on smartphones. In R. Kwan, C. McNaught, P. Tsang, F.L. Wang & K.C. Li (Eds.), *Enhancing Learning through Technology. Education Unplugged: Mobile Technologies and Web 2.0*, International Conference, ICT 2011, Hong Kong, China, 11–13 July (pp.85–95). Berlin: Springer.
- Tanaza. (2012, 11 July). A brief history of wi-fi. *Tanaza's Cloud-based Wi-fi Vendor-Agnostic Blog*. <http://blog.tanaza.com/blog/bid/183121/A-Brief-History-of-Wi-Fi>
- Tapscott, D. (2009). *Grown Up Digital: How the Net Generation is Changing Your World*. New York: McGraw-Hill.
- Taylor, J. (2006). Evaluating mobile learning: What are appropriate methods for evaluating learning in mobile environments? In M. Sharples (Ed.), *Big Issues in Mobile Learning: Report of a Workshop by the Kaleidoscope Network of Excellence Mobile Learning Initiative* (pp.25–27). Nottingham: University of Nottingham.
- Thornton, P. & Houser, C. (2005). Using mobile phones in English education in Japan. *Journal of Computer-Assisted Learning*, 21, 217–228.
- Tian, F., Lv, F., Wang, J., Wang, H., Luo, W., Kam, M., Setlur, V., et al. (2010). Let's play Chinese characters – Mobile learning approaches via culturally inspired group games. In *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2010)*, Atlanta, USA, 10–15 April. <http://www.cs.cmu.edu/~mattkam/lab/publications/CHI2010b.pdf>
- Traxler, J. (2007). Defining, discussing and evaluating mobile learning: The moving finger writes and having writ... *The International Review of Research in Open and Distance Learning*, 8(2). <http://www.irrodl.org/index.php/irrodl/article/view/346/875>
- . (2010). Will student devices deliver innovation, inclusion, and transformation? *Journal of the Research Center for Educational Technology*, 6(1), 3–15.
- . (2012). Sustaining mobile learning and its institutions. In D. Parsons (Ed.), *Refining Current Practices in Mobile and Blended Learning: New Applications* (pp.1–9). Hershey, PA: Information Science Reference.
- . (2013a). Mobile learning: Starting in the right place, going in the right direction? In D. Parsons (Ed.), *Innovations in Mobile Educational Technologies and Applications* (pp.1–13). Hershey, PA: Information Science Reference.
- . (2013b). Mobiles for learning in Africa: The elephants in the room. In W. Kinuthia & S. Marshall (Eds.), *On the Move: Mobile Learning for Development* (pp.161–177). Charlotte, NC: Information Age Publishing.
- Trivedi, K.R. (2013). *Brainphone for M-learning – Brainwave Enabled Multi-functional, Communication, Controlling and Speech Signal Generating Device*. Presented at UNESCO Mobile Learning Week Symposium, Paris, France, 18–19 February. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/unesco-mobile-learning-week/speakers/kiran-trivedi/>
- Tyers, A. (2012). A gender digital divide? Women learning English through ICTs in Bangladesh. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn*

- 2012: *Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.94–100). http://ceur-ws.org/Vol-955/papers/paper_16.pdf
- Udell, C. (2012). *Learning Everywhere: How Mobile Content Strategies are Transforming Training*. Nashville, TN: Rockbench Publishing.
- UN (United Nations). (n.d.). *We Can End Poverty 2015: Millennium Development Goals*. <http://www.un.org/millenniumgoals/>
- UNESCO (United Nations Educational, Scientific and Cultural Organization). (2012). *Youth and Skills: Putting Education to Work*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002180/218003e.pdf>
- . (2013a, 16 January). Mobile learning projects to empower rural women in Pakistan. *UNESCO Bangkok: ICT in Education*. <http://www.unescobkk.org/education/ict/online-resources/databases/ict-in-education-database/item/article/mobile-learning-projects-to-empower-rural-women-in-pakistan/>
- . (2013b). *UNESCO Mobile Learning Week Symposium Report*. http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/ED/ICT/pdf/MLW_Report.pdf
- . (2013c). *UNESCO Policy Guidelines for Mobile Learning*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002196/219641E.pdf>
- . (n.d., a). Education for all movement. *UNESCO: Education*. <http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-all/>
- . (n.d., b). Mobile phone literacy – Empowering women and girls. *UNESCO: ICT in Education*. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/policy-research-and-advocacy/mobile-phone-literacy-project/>
- . (n.d., c). Teacher support and development. *UNESCO: ICT in Education*. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/teacher-support-and-development/>
- Unwin, T. (2009a). Conclusions. In T. Unwin (Ed.), *ICT4D: Information and Communication Technology for Development* (pp.360–375). Cambridge: Cambridge University Press.
- . (2009b). Development agendas and the place of ICTs. In T. Unwin (Ed.), *ICT4D: Information and Communication Technology for Development* (pp.7–38). Cambridge: Cambridge University Press.
- Uosaki, N., Ogata, H., Sugimoto, T., Li, M. & Hou, B. (2012). Towards seamless vocabulary learning: How we can entwine in-class and outside-of-class learning. *International Journal of Mobile Learning and Organisation*, 6(2), 138–155.
- US Dept of Education. (2010). *Evaluation of Evidence-based Practices in Online Learning: A Meta-analysis and Review of Online Learning Studies* (revised ed.). Washington, DC: US Dept of Education. http://gsehd.gwu.edu/documents/gsehd/resources/gwuohs-onlineresources/reports/doe_evaluation_onlinelearning-092010.pdf
- van Lier, L. (2004). *The Ecology and Semiotics of Language Learning: A Sociocultural Perspective*. Boston: Kluwer Academic Publishers.
- Vavoula, G. & Sharples, M. (2009). Meeting the challenges in evaluating mobile learning: A 3-level evaluation framework. *International Journal of Mobile and Blended Learning*, 1(2), 54–75.
- Viberg, O. & Grönlund, Å. (2012). Mobile-assisted language learning: A literature review. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn 2012*:

- Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.9–16). http://ceur-ws.org/Vol-955/papers/paper_8.pdf
- Vosloo, S. (2012). *Mobile Learning and Policies: Key Issues to Consider*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002176/217638E.pdf>
- . (2013). *Yoza: m-Novels for Africa*. Presented at NetExplo, Paris, France, 15 February. <http://www.slideshare.net/stevevosloo/yoza-cellphone-stories?ref=http://yozaproject.com/>
- Vygotsky, L.S. (1978). *Mind in Society: The Development of Higher Psychological Processes*. Cambridge, MA: Harvard University Press.
- Wallace, R. (2013). Empowered learner identity through m-learning: Representations of disenfranchised students' perspectives. In D. Parsons (Ed.), *Innovations in Mobile Educational Technologies and Applications* (pp.272–283). Hershey, PA: Information Science Reference.
- Walsh, C.S., Shaheen, R., Power, T., Hedges, C., Kahtoon, M. & Sikander Mondol, M. (2012). Low cost mobile phones for large scale teacher professional development in Bangladesh. In M. Specht, M. Sharples & J. Multisilta (Eds.), *mLearn 2012: Proceedings of the 11th International Conference on Mobile and Contextual Learning 2012*, Helsinki, Finland, 16–18 October (pp.101–108). http://ceur-ws.org/Vol-955/papers/paper_53.pdf
- Wang, M., Shen, R., Novak, D. & Pan, X. (2009). The impact of mobile learning on students' learning behaviours and performance: Report from a large blended classroom. *British Journal of Educational Technology*, 40(4), 673–695.
- Ware, P. (2008). Language learners and multimedia literacy in and after school. *Pedagogies*, 3, 37–51.
- Warschauer, M. (2004). Technological change and the future of CALL. In S. Fotos & C. Browne (Eds.), *New Perspectives on CALL for Second Language Classrooms* (pp.15–25). Mahwah, NJ: Lawrence Erlbaum.
- . (2011). *Learning in the Cloud: How (and Why) to Transform Schools with Digital Media*. New York: Teachers College Press.
- & Liaw, M.-L. (2013). *Emerging Technologies in Adult Literacy and Language Education*. National Institute for Literacy.
- Weigel, M., James, C. & Gardner, H. (2009). Learning: Peering backward and looking forward in the digital era. *International Journal of Learning and Media*, 1(1). <http://www.mitpressjournals.org/doi/pdf/10.1162/ijlm.2009.0005>
- West, M. (2012a). *Mobile Learning for Teachers: Global Themes*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002164/216452E.pdf>
- . (2012b). *Turning on Mobile Learning: Global Themes*. Paris: UNESCO. <http://unesdoc.unesco.org/images/0021/002164/216451E.pdf>
- WHO (World Health Organization). (2011). *Electromagnetic Fields and Public Health: Mobile Phones*. Fact Sheet No.193. <http://www.who.int/mediacentre/factsheets/fs193/en/index.html>
- Williams, R. & Edge, D. (1996). The social shaping of technology. *Research Policy*, 25, 865–899.
- Wong, L.-H. (2013). Analysis of students' after-school mobile-assisted artifact creation processes in a seamless language learning environment. *Educational Technology & Society*, 16(2), 198–211. http://www.ifets.info/journals/16_2/17.pdf

- , Chai, C.-S., Chin, C.-K., Hsieh, Y.-F. & Liu, M. (2012). Towards a seamless language learning framework mediated by the ubiquitous technology. *International Journal of Mobile Learning and Organisation*, 6(2), 156–171.
- , Chin, C.-K., Tan, C.-L. & Liu, M. (2010). Students' personal and social meaning making in a Chinese idiom mobile learning environment. *Educational Technology & Society*, 13(4), 15–26. http://www.ifets.info/journals/13_4/3.pdf
- Woodill, G. (2011). *The Mobile Learning Edge: Tools and Technologies for Developing Your Teams*. New York: McGraw-Hill.
- World Bank. (2012). *Information and Communications for Development 2012: Maximizing Mobile*. Washington, DC: World Bank. DOI: 10.1596/978-0-8213-8991-1; <http://www.worldbank.org/ict/IC4D2012>
- Worldreader. (2012). *Worldreader Mobile*. <http://www.worldreader.org/what-we-do/worldreader-mobile/>
- WSIS (World Summit on the Information Society). (2013). *World Summit on the Information Society: Geneva 2003 – Tunis 2005*. <http://www.itu.int/wsis/>
- Wu, H.-K., Lee, S.W.-Y., Chang, H.-Y. & Liang, J.-C. (2013). Current status, opportunities and challenges of augmented reality in education. *Computers & Education*, 62, 41–49.
- Yacoobi, S. (2013). *Using Mobile Phones to Accelerate Literacy Education and Empower Afghan Women*. Presented at UNESCO Mobile Learning Week Symposium, Paris, France, 18–19 February. <http://www.unesco.org/new/en/unesco/themes/icts/m4ed/unesco-mobile-learning-week/speakers/sakena-yacoobi/>
- Yarow, J. (2012, 14 December). Chart of the day: The death of the e-book reader. *Business Insider*. <http://www.businessinsider.com/chart-of-the-day-e-book-readers-2012-12>
- Zelezny-Green, R. (2011). The potential impact of mobile-assisted language learning on women and girls in Africa: A literature review. *Ubiquitous Learning*, 3(2), 69–82.
- . (2013a). Inter-generational indigenous knowledge exchange and mobile phones: The possibilities and the potential. In W. Kinuthia & S. Marshall (Eds.), *On the Move: Mobile Learning for Development* (pp.209–226). Charlotte, NC: Information Age Publishing.
- . (2013b, 4 March). MDGs: How mobile phones can help achieve gender equality in education. *The Guardian*. <http://www.guardian.co.uk/global-development-professionals-network/2013/mar/04/mobile-education-international-development>
- Zhang, S. & Duke, N.K. (2008). Strategies for internet reading with different reading purposes: A descriptive study of twelve good internet readers. *Journal of Literacy Research*, 40(1), 128–162.
- Zickuhr, K. (2012). *Mobile is the Needle; Social is the Thread*. Presented at Comm Week 2012, Elliott School of Communications, Wichita State University, 18 October. <http://pewinternet.org/Presentations/2012/Oct/WSU.aspx>
- Zittrain, J. (2008). *The Future of the Internet – And How to Stop it*. London: Allen Lane.

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