Proceedings of the ACM symposium on Applied computing, ACM. DOI: 10.1145/1066677.1067058

[8] Fernandez A., Insfran E., Abrahão S. (2011). Usability evaluation methods for the web: A systematic mapping study, *Information and Software Technology*, Vol. 53, No. 8, pp. 789-817. DOI: 10.1016/j.infsof.2011.02.007

[9] Abrahao S., Insfran E. (2006). Early usability evaluation in model driven architecture environments, i*n Sixth International Conference on Quality Software (QSIC'06). IEEE*. DOI: 10.1109/QSIC.2006.26

[10] Fernandez A., et al. (2013). Usability inspection in model-driven web development: Empirical validation in webml. *in International Conference on Model Driven Engineering Languages and Systems*. Springer. DOI: 10.1007/978-3-642-41533-3_45

[11] Martínez A.F.A (2012). Usability inspection method for model-driven web development processes, PhD dissertation, Universitat Politècnica de València).

[12] Zimmerman J., Forlizzi J., Evenson S. (2007). Research through design as a method for interaction design research in HCI, *in Proceedings of the SIGCHI conference on Human factors in computing systems*. ACM. DOI: *10.1145/1240624.1240704*

[13] Spaulding A., Weber J.S. (2009). Usability engineering methods for interactive intelligent systems, *AI Magazine*, Vol. 30, No. 4, p. 41. DOI: 10.1609/aimag.v30i4.2272

[14] Alshammari M., Anane R., Hendley R.J. (2015). Design and usability evaluation of adaptive e-learning systems based on learner knowledge and learning style, i*n Human-Computer Interaction*. Springer. DOI: 10.1007/978-3-319-22668-2_45

[15] Alshammari M., Anane R., Hendley R.J. (2016). Usability and effectiveness evaluation of adaptivity in e-learning systems, *in Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems*. ACM. DOI: 10.1145/2851581.2892395

[16] Panach J.I., Aquino N., Pastor Ó. (2014). A proposal for modelling usability in a holistic MDD method, *Science of Computer Programming*, Vol. 86, pp. 74-88. DOI: 10.1016/j.scico.2013.06.008

[17] Panach J.I., Valverde F., Pastor Ó. (2007). Improvement of a web engineering method through usability patterns, *in International Conference on Web Information Systems Engineering*. Springer. DOI: 10.1007/978-3-540-77010-7_42

[18] Rogers Y., et al., (2007). Interaction design: Beyond human-computer interaction, *netWorker: The Craft of Network Computing*, Vol. 11, No. 4, p. 34.

[19] ISO/IEC (2001). Software engineering: Product quality.

[20] Awad M., (2005). A comparison between agile and traditional software development methodologies University of Western Australia.

[21] Kristinsdóttir I. (2012). Promoting usability in an agile environment, Master Thesis.

[22] Nielsen L.L. (2011). Usability requirements in agile development processes, *Journal of Mathematical Modelling*, Vol. 7, pp. 15-23.

[23] Rivero J.M., et al. (2014). Mockup-driven development: providing agile support for model-driven web engineering, *Information and Software Technology*, Vol. 56, No. 6, pp. 670-687. DOI: 10.1016/j.infsof.2014.01.011

[24] Essalmi F., et al. (2015). Generalized metrics for the analysis of E-learning personalization strategies, *Computers in Human Behavior*, Vol. 48, pp. 310-322.

[25] Brusilovsky P. (2001) Adaptive hypermedia, *User Modeling and User Adapted Interaction*, Ten Year Anniversary Issue (Alfred Kobsa, ed.).

[26] Di Ferdinando A., et al. (2009). MyAds: A system for adaptive pervasive advertisements, *Pervasive and Mobile computing*, Vol. 5, No. 5, pp. 385-401. DOI: 10.1016/j.pmcj.2009.06.006

[27] Findlater L., McGrenere J. (2004). A comparison of static, adaptive, and adaptable menus, *in Proceedings of the SIGCHI conference on Human factors in computing systems*. ACM. DOI: 10.1145/985692.985704

[28] Evers V., et al. (2010). Interacting with adaptive systems, *in Interactive Collaborative Information Systems. Springer*, pp. 299-325. DOI: 10.1007/978-3-642-11688-9_11

[29] Knutov E. (2012). Generic Adaptation Framework for unifying adaptive web-based systems, PhD, Technische Universiteit Eindhoven, Eindhoven NL.

[30] Rojas Durán G.E., (2008). Modelling adaptive web applications in OOWS, Doctoral dissertation, Universitat Politècnica de València.

[31] Fernandez A., Insfran E., Abrahão S. (2009). Integrating a usability model into model-driven web development processes, *in International Conference on Web Information Systems Engineering*. Springer. DOI: 10.1007/978-3-642-04409-0_49

[32] Wakil K., Jawawi D.N. (2015). Model driven web engineering: A systematic mapping study, *e-Informatica Software Engineering Journal*, Vol. 9, No. 1, pp. 107-142. DOI: 10.5277/E-INF150106

[33] SAID K.W. (2013). Enhancement of UML-based web engineering for metamodels: Homepage development casestuy, University Technology Malaysia.

[34] Wakil K., Safi A., Jawawi D. (2014). Enhancement of UWE navigation model: Homepage development case study, *International Journal of Software Engineering & Its Applications*, Vol. 8, No. 4. DOI: 10.14257/ijseia.2014.8.4.21

[35] Wakil K. (2017). Extensibility interaction flow modeling language metamodels to develop new web application concerns, *Kurdistan Journal of Applied Research*, Vol. 2, No. 3. DOI: 10.24017/science.2017.3.23

[36] Wakil K., Jawawi D. (2017). Analyzing Interaction Flow Modeling Language in Web Development Lifecycle, *International Journal of Advanced Computer Science and Applications*, Vol. 8, No. 1, pp. 286-293. DOI: 10.14569/IJACSA.2017.080137

[37] Wakil K., Jawawi D. (2017). Combining web engineering methods to cover lifecycle, *Computer Modelling & New Technologies*, Vol. 21, No. 1, pp. 20-27.