- [9] Haddad B., "Probabilistic Bi-directional Root-Pattern Relationships as Cognitive Model for Semantic Processing of Arabic", 3rd IEEE International Conference on Cognitive Infocommunication 2012, pp. 279 -284, Dec. 2012.
- [10] Haddad B. and Awwad A., "Representing Uncertainty in Medical Knowledge: An Interval-Based Approach for Binary Fuzzy Relation", The International Arab Journal of Information Technology, pp. 63-69, January 2010.
- [11] Haddad B., "Representation of Arabic Words: An Approach towards Probabilistic Root-Pattern Relationships", KEOD-2009, International Conference on Knowledge Engineering and Ontology Development, Madeira, Portugal, 2009.
- [12] Haddad B. and Yaseen M., "A Compositional Approach towards Semantic Representation and Construction of ARABIC", 5 th International Conference, Logical Aspects of Computational Linguistics LACL-2005, Bordeaux, France, LNAI 3492, Springer-Verlag, 2005.
- [13] Haddad B. and Yaseen M., "Detection and Correction of Non-Words in Arabic: A Hybrid Approach", International Journal of Computer Processing of Oriental Languages, Vol. 20, Number 4, pp. 237-257, World Scientific Publishing, 2007.
- [14] Hattab M., Haddad B., Yaseen M., Duraidi A. and Abu Shmias A., "Addaall Arabic Search Engine: Improving Search based on Combination of Morphological Analysis and Generation Considering Semantic Patterns", The second International Conference on Arabic Language Resources and Tools, Cairo, Egypt, 2009.
- [15] Moukdad H., "Stemming and root-based approaches to the retrieval of Arabic documents on the Web", Webology, Vol. 3, Number 1, 2006.
- [16] Rastle K., Davis M. H., Marslen-Wilson W.D., and Tyler L.K., "Morphological and semantic effects in visual word recognition: A time-course study", Languages and Cognitive Processes, 15 (4/5), pp. 507-537, 2000.

- [17] Sabuni A., Einfhrung in die Arabisitk: Helmut Buske Verlag, Hamburg
- [18] Sallai G., "The Cradle of Cognitive Infocommunications," Acta Poly-
- technica Hungarica, vol. 9, no. 1, pp. 171-181, 2012.

 [19] Soudi A., Cavalli-Sforza V., "A Computational Lexeme-Based Treatment of Arabic Morphology", Arabic Language Processing: Status and Prospects, Association for Computational Linguistics (ACL-2001), 10th Conference of the European Chapter, Morgan Kaufman Publisher, France, 2001
- Verhoeven L., and Perfetti C.A., "Morphological processing in reading acquisition: A cross-linguistic", Applied Psycholinguistics, 32, pp. 457-466, 2011.
- [21] http://en.wikipedia.org/wiki/Arab_world, 14 June 2013.



Bassam Haddad received both of his B.Sc. degree and his M.Sc. degree in Informatics and Theoretical Medicine from Dortmund University, Germany. He obtained his Ph.D. in Informatics from Vienna University of Technology, Austria.

His main research interests are Natural Language Processing, Cognitive Linguistics, Semantic Processing, Statistical Language Models, Information Retrieval and Machine Learning besides Medical

Knowledge Representation and dealing with Uncertainty and Fuzziness. At present, he is Associate Professor of Computer Science at the Faculty of Information Technology besides his position as President Assistant for Global Partnerships and Relations, University of Petra, Amman, Jordan.

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