

Deliverable 1.4 – Report on publications of CUT’s research group for the years 2013-2015

A. Journals

- J1. Georgiades, M. and Andreou, A.S., “A Novel Software Tool for Supporting and Automating the Requirements Engineering Process With the Use of Natural Language”, first published in *International Journal of Computer Science and Technology*, Vol. 2(3-3), 2011 (available online at http://ijcst.com/?page_id=598) – Extended version published also in *International Journal of Computer Theory and Engineering*, Vol. 5, No. 3, pp. 443-449, 2013.
- J2. C. Stylianou and A. S. Andreou, “A Multi-Objective Genetic Algorithm for Intelligent Software Project Scheduling and Team Staffing”, *Intelligent Decision Technologies: An International Journal*, vol. 7(1), pp. 59-80, IOS Press, ISSN 1872-4981, 2013.
- J3. Andreas S. Andreou, Petros M. Migiakis, George A. Zombanakis, “On defense expenditure reduction: balancing between austerity and security in Greece”, *Peace Economics, Peace Science and Public Policy*, Volume 19, Issue 3, pp. 437–458, ISSN (Online) 1554-8597, ISSN (Print) 1079-2457, DOI: [10.1515/peps-2013-0030](https://doi.org/10.1515/peps-2013-0030), 2013 (same as C88).
- J4. Papatheocharous, E. and Andreou, A.S. “Empirical evidence and state of practice of software agile teams”, *Journal of Software: Evolution and Process*, 26(9), pp. 855-866, 2014.
- J5. Zombanakis, G. A., Andreou, A.S. and Migiakis, P.M., “To Spend or Not to Spend? The Case of Defence Expenditure in the Context of the Greek Crisis”, *International Review on Computers and Software (IRECOS)*, 9(8), pp. 1484-1495, 2014.
- J6. Panayiotis Christodoulou, Marios Lestas and Andreas S. Andreou, “Hard and Fuzzy K-Modes Clustering for Dynamic Web Recommendations”, *International Journal on Engineering Intelligent Systems*, Special Issue on AIAI 2013, vol. 22 Nos 3/4 September/December, pp.177-190, 2014.
- J7. Chatzipetrou, P., Papatheocharous, E., Angelis, L. and Andreou, A.S., “A multivariate statistical framework for the analysis of software effort phase distribution”, *Information and Software Technology*, 59, pp. 149-169, 2015.
- J8. Mittas, N., Papatheocharous, E., Angelis, L. and Andreou, A.S., “Integrating non-parametric models with linear components for producing software cost estimations”, *Journal of Systems and Software*, 99, pp. 120-134, 2015.
- J9. Chatzis, S.P. and Andreou, A.S., “Maximum Entropy Discrimination Poisson Regression for Software Reliability Modeling”, *IEEE Transactions on Neural Networks and Learning Systems*, Volume 26, Issue 11, pp. 2689 – 2701, 2015.
- J10. Christoforou, A. and Andreou, A.S., “Investigating Cloud Adoption Using Influence Diagrams as a Decision Support Model”, *International Journal on Artificial Intelligent Tools*, Volume 24, Issue 06, 1560005 [19 pages] DOI: 10.1142/S0218213015600052, 2015.

B. Conference and workshop proceedings:

- C1. Yiasemis, P.S. and Andreou, A.S., “Supporting Decision Making in Mobile Software development: A fuzzy Cognitive Maps Approach”, Proceedings of the 8th *International Conference on Software Engineering and Applications (ICSOFT-EA)*, Reykjavík, Iceland, July 29-31, 2013.
- C2. Yiasemis, P.S. and Andreou, A.S., “Modeling and Decision Support of the Mobile Software Development Process Using Influence Diagrams”, Proceedings of the 14th *International Conference on Product-Focused Software Process Improvement (PROFES)*, pp.253-267, Paphos, Cyprus, June 12-14, 2013.
- C3. Christoforou, A. and Andreou, A.S., “A Cloud Adoption Decision Support Model Based on Fuzzy Cognitive Maps”, Proceedings of the 14th *International Conference on Product-Focused Software Process Improvement (PROFES)*, pp.240-252, Paphos, Cyprus, June 12-14, 2013.
- C4. Georgiades, M. and Andreou, A.S., “Patterns for Use Case Context and Content”, Proceedings of the 13th *International Conference on Software Reuse (ICSR)*, Springer Lecture Notes in Computer Science, Volume 7925, pp. 267-282), Pisa, Italy, June 18-21, 2013.
- C5. Christodoulou P., Lestas M and Andreou, A.S., “A Dynamic Web Recommender System Using Hard and Fuzzy K-Modes Clustering”, Proceedings of the 9th *International Conference on Artificial Intelligence Applications and Innovations (AIAI)*, pp. 40-51, Paphos, Cyprus, September 30 – October 2, 2013.
- C6. Christoforou, A. and Andreou, A.S., “A Cloud Adoption Decision Support Model Using Influence Diagrams” Proceedings of the 9th *International Conference on Artificial Intelligence Applications and Innovations (AIAI)*, pp. 151-160, Paphos, Cyprus, September 30 – October 2, 2013.
- C7. Andreas S. Andreou, Petros M. Migiakis, George A. Zombanakis, “On defense expenditure reduction: balancing between austerity and security in Greece”, Proceedings of the *Jan Tinbergen European Peace Science Conference*, Milan, Italy, June 24–26, 2013.
- C8. Papatheocharous, E. and Andreou, A.S., “Evidence of Agile Adoption in Software Organizations: An Empirical Survey”, Proceedings of the 20th *Conference on System, Software & Service Process Improvement & Innovation (EuroSPI)*, Ireland, June 25-27, 2013.
- C9. Andreas S. Andreou and Efi Papatheocharous, “Automatic Matching of Software Component Requirements Using Semi-Formal Specifications and a CBSE Ontology”, Proceedings of the 10th *International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE)*, pp. 118-128, Barcelona, Spain, April 29-30, 2015 (short listed for best paper award).
- C10. Christoforou, A. and Andreou, A.S., “A Multilayer Fuzzy Cognitive Maps Approach to the Cloud Adoption Decision Support Problem”, Proceedings of the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Istanbul, Turkey, August 2-5, 2015.

C. Book Chapters

- BC1. C. Stylianou and A.S. Andreou, "Human Resource Allocation and Scheduling for Software Project Management", *Software Project Management in a Changing World*, C. Wohlin and G. Ruhe (eds), pp. 73-106, Springer 2014.
- BC2. Andreou, A.S., Neophytou, H. and Stylianou, C., "A Review of the Application of Fuzzy Cognitive Maps in the Policy Decision-Making Life Cycle". In P. N. Sonntagbauer et al. (eds), *Handbook of Research on Advanced ICT Integration for Governance in Policy Modeling*, pp. 129-148, Hershey: IGI Global, 2014.

D. Editorials

- E1. H. Papadopoulos, A.S. Andreou and L.S. Iliadis (Guest Editors). Special Issue on Selected Papers from the 6th IFIP International Conference on "Artificial Intelligence Applications and Innovations", *International Journal on Artificial Intelligence Tools*, World Scientific. 21(4). World Scientific. DOI: 10.1142/S0218213012020034, 2012.
- E2. H. Papadopoulos, A.S. Andreou, L.S. Iliadis and I. Maglogiannis (Eds). *Proceedings of the 9th International Conference on "Artificial Intelligence Applications and Innovations" (AIAI2013)*, Paphos, Cyprus, September 30 – October 2, Springer, ISBN978-3-642-41141-0, 9783642162381 (709 pages), 2013.