Appendix B: Research Publications

PHD THESIS

[PhD]   Eleftherakis G., "Formal Verification of X-machine models: Towards Formal Development of Computer Systems", PhD Thesis, University of Sheffield, July 2003

EDITORIALS

[EB14]   Katerina Zdravkova, George Eleftherakis, Proceedings of the 8th Balkan Conference on Informatics Conference, BCI '17, Skopje, F.Y.R. of Macedonia, September 21-23, 2017. ACM 2017, ISBN 978-1-4503-5285-7

[EB13]   Ifiok Otung, Prashant Pillai, George Eleftherakis, Giovanni Giambene, Proceedings of the 8th EAI International Conference on Wireless and Satellite Systems (WiSATS 2016), Cardiff, Great Britain, September 19–20, 2016, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Vol. 186, Springer, 2017, ISBN 978-3-319-53849-5

[EB12]   Costin Badica, Yannis Manolopoulos, Mirel Cosulschi, George Eleftherakis, Florin Leon, Proceedings of the 7th Balkan Conference on Informatics Conference, BCI '15, Craiova, Romania, September 2-4, 2015. ACM 2015, ISBN 978-1-4503-3335-1

[EJ1]   George Eleftherakis, Michael J. Butler, Mike Hinchey (guest editors), *Formal Aspects of Computing*, Springer, 27(3), 2015

[EB11]   Panayiotis H. Ketikidis, Konstantinos G. Margaritis, Ioannis P. Vlahavas, Alexander Chatzigeorgiou, George Eleftherakis, Ioannis Stamelos (Eds.): 17th Panhellenic Conference on Informatics, PCI 2013, Thessaloniki, Greece - September 19 - 21, 2013, ACM, ISBN 978-1-4503-1969-0

[EB10]   George Eleftherakis, Mike Hinchey, Mike Holcombe (Eds.): 10th IEEE International Conference on Software Engineering and Formal Methods (SEFM 2012), Thessaloniki, Greece, October 1-5, 2012. Lecture Notes in Computer Science vol.7504, Springer

[EB9]   Costin Badica, George Eleftherakis, Grzegorz J. Nalepa, Manuel Isidoro Capel-Tunon, 10th International Workshop on Modelling, Simulation, Verification and Validation of Enterprise Information Systems - MSVVEIS 2012, 28 June, 2012, Wroclaw, Poland

[EB8]   A. Psychogios, F. Proedrou, E. Kalyva, and G. Eleftherakis, eds., Proceedings of the 5th South East European Doctoral Student Conference (DSC 2009), 13 - 14 September 2010, Thessaloniki, Greece, SEERC, September 2010.

[EB7]   George Eleftherakis and Tom van Engers (editors), 2nd International Conference on ICT Solutions for Justice, ICT4Justice 2009, Skopje, FYROM, September 24, 2009, Post-Proceedings, volume 582. CEUR-WS.org, May 2010. online CEUR-WS.org/Vol-582/. urn:nbn:de:0074-582-1

[EB6]   George Eleftherakis, Christos K. Georgiadis, Panagiotis Ketikidis, and Demosthenes Stamatis, editors. Local Proceedings of the 4th Balkan Conference in Informatics (BCI'09), 17 - 19 Sep 2009, Thessaloniki, Greece. A.T.E.I. Thessalonikis, September 2009.

[EB5]   George Eleftherakis, Sarah Hannam, Eyfrosyni Kalyva, and Alexandros Psychogios, editors. Proceedings of the 4th South East European Doctoral Student Conference (DSC 2009), 6 - 7 July 2009, Thessaloniki, Greece. SEERC, July 2009.

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[EB3]   George Eleftherakis, Petros Kefalas, Gheorghe Paun, Grzegorz Rozenberg, Arto Salomaa (Eds.): Membrane Computing, 8th International Workshop, WMC 2007, Thessaloniki, Greece, June 25-28, 2007 Revised Selected and Invited Papers. Lecture Notes in Computer Science 4860 Springer 2007, ISBN 978-3-540-77311-5

[EB2]   G. Eleftherakis, P.Kefalas, G.Paun (editors), Proceedings of the Eighth Workshop on Membrane Computing, ISBN 978-960-89629-2-7, SEERC, 2007.

[EB1]   G. Eleftherakis (editor), Formal Methods: Challenges in the business world, ISBN 960-87869-8-3, SEERC, 2006. (Post-Proceedings of the *2nd South Eastern European workshop on Formal Methods (SEEFM 05))*

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[BC5]   T. D. Lagkas, & G. Eleftherakis, "An Overview of Wireless Sensor Networks: Towards the Realization of Cooperative Healthcare and Environmental Monitoring" In M. Matin (Ed.), *Wireless*

Communications and Networking: Theory and Practice, pages 317-339, IGI Global Inc, DOI: 10.4018/978-1-4666-5170-8.ch012, February, 2014

[BC4]   P. Kefalas, I. Stamatopoulou, M. Gheorghe, and G. Eleftherakis. Membrane Computing and X-machines. In G. Paun, editor, *The Oxford Handbook of Membrane Computing*, volume 23.4, pages 612-620. Oxford University Press, 2009.

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[EC1]   P. Kefalas, M. Holcombe, G. Eleftherakis, and M. Gheorghe. Formal development of reactive agent-based systems. In Mehdi Khosrow-Pour, editor, *Encyclopedia of Information Science and Technology*, pages 1201-1204. Idea Group Publishing, 2005.

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[J14]   George Eleftherakis, Dimitrios Pappas, Thomas Lagkas, Konstantinos Rousis, Ognen Paunovski, "Architecting the IoT Paradigm: A Middleware for Autonomous Distributed Sensor Networks", *International Journal of Distributed Sensor Networks (IJDSN)*, 139735:1-139735:17 (2015)

[J13]   George Eleftherakis, Michael J. Butler, Mike Hinchey, "Editorial". Formal Asp. Comput. 27(3): 473 (2015)

[J12]   O. Paunovski, G. Eleftherakis, K.Dimopoulos, and A.J. Cowling. Evaluation of a selective distributed discovery strategy in a fully decentralized biologically inspired environment. *Information Sciences*, vol. 180, pp. 1865-1875, May 2010. Impact Factor (3,085).

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[C52] George Eleftherakis, "Harnessing Emergent Phenomena in Cyber-Physical Systems", International Conference on Mathematics and Computer Science (MaCoS 2014), Brasov, Romania, June 26-28 2014. (invited plenary talk - abstract)

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[C47] George Eleftherakis, "Solve Quadratic Equations or Visit Worlds of Fantasy?", The University of Sheffield Annual Learning and Teaching Conference, 8 Jan 2013, Sheffield, UK. (abstract)
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Note: G.Eleftherakis has presented the following publications: C1, C5, C6, C7, C8, C10, C11, C12, C24, C27, C30, C31, C36, C38, C39, C40, C45, C46, C47, C48, C49, C52, C59, C60.