

CV

Name: George Lagogiannis
Date of Birth: 12/8/1972
Place of birth: Xylokastro, Greece
Current position: Assistant Professor, Department of Agricultural Economics and Rural Development, Agricultural University of Athens
Field of expertise: Data structures and Algorithms

Publications

Publications in International Conferences with Referees

- A.1 Lagogiannis G., Makris C., Panagis J. and Tsichlas K.: New Dynamic Balanced Search Trees with Worst Case Constant Update Time. *13th Australian Workshop on Combinatorial algorithms*, Australia, 2002.
- A.2 Brodal G. S., Lagogiannis G, Makris C, Tsakalidis A. and Tsichlas K.: Optimal Finger Search Trees in the Pointer Machine. *34th annual ACM Symposium on Theory of Computing (STOC)*, Montreal, Quebec, Canada, 2002
- A.3 Lagogiannis G., Panagis J., Sioutas S and Tsichlas K.: Rectangle Enclosure Reporting in linear Space Revisited. *13th Australian Workshop on Combinatorial Algorithms*, Australia, 2002.
- A.4 Sioutas S., Makris C., Lagogiannis G., Tsichlas K., Dellis V. and Tsakalidis A.: Temporal Selection Queries in Video Databases. *VLDB / MDDE 03* (Special VLDB Session in Multimedia Data and Document Engineering), Berlin, 2003.
- A.5 Lagogiannis G., Panagis J., Sioutas S. and Tsakalidis A.: A survey of persistent data structures. *International WSEAS Conference on Algorithmic Techniques for Handling Spatiotemporal and Environmental Data*, Athens, 2005.
- A.6 Lagogiannis G., Lorentzos N., Sideridis A. B.: Indexing Moving Objects: A Real Time Approach. *World Summit on the Knowledge Society (WSKS)* Corfu, Greece, 2010.
- A.7 Lagogiannis G., Lorentzos N.: Partially Persistent B-trees with Constant Worst Case Update Time. *25th International Symposium on Computer and Information Sciences (ISCIS)*, London, 2010
- A.8 Lagogiannis G., Sideridis A. B.: Incorporating Space in Temporal Knowledge Base Management. *3rd International Congress on*

- Information and Communication Technologies in Agriculture, Food, Forestry & Environment (ITAFFE)* Samsun, Turkey, 2010
- A.9 Brodal G. S., Lagogiannis G., Tarjan R. E.: Strict fibonacci heaps. *44th Annual ACM Symposium on Theory of Computing (STOC)*, pages 1177-1184, New York, USA, 2012.
- A.10 A.10 Lagogiannis G. Dynamic Connectivity: The star and the tree story. 17th International Conference on Applied Computing (2020)
- A.11 Lagogiannis G., Makris C. On efficiently creating temporally biased samples over data streams: Beyond memoryless functions. International Conferences Computer Graphics, Visualization, Computer Vision and Image Processing 2020; Big Data Analytics, Data Mining and Computational Intelligence 2020; and Theory and Practice in Modern Computing 2020

Publications in International Journals with Referees

- B.1 Brodal Brodal G. S., Lagogiannis G., Makris C., Tsakalidis A., Tsihlias K.: Optimal finger search trees in the pointer machine. *Journal of Computer and System Sciences*, Volume. 67, Issue 2, pages 381-418, 2003. (ISI indexed, impact factor 1,721)
- B.2 Lagogiannis G., Makris C., Panagis J. and Tsihlias K.: New Dynamic Balanced Search Trees with Worst Case Constant Update Time. *Journal of Automata, Languages and Combinatorics* Volume 8 Issue 4, pages 607 - 632, 2003.
- B.3 Lagogiannis G, Makris C. and Tsakalidis A.: A New Algorithm for Rectangle Enclosure Reporting. *Information Processing Letters* Volume 72, issue 5-6, pages 177-182, 1999. (ISI indexed, impact factor 0,612)
- B.4 Sioutas S., Makris C., Lagogiannis G., Tsaknakis J., Tsihlias K. and Vassiliadis B.: Geometric Retrieval for Grid Points in the RAM model. *Journal of Universal Computer Science*, Volume 10, Issue 9, pages 1325 – 1353, 2004. (ISI indexed, impact factor 0,669)
- B.5 Lagogiannis G., Panagis J., Sioutas S., Tsihlias K. and Makris C.: Rectangle Enclosure Reporting in linear Space Revisited. *Journal of Automata, Languages and Combinatorics*, Volume 8, Issue 4, pages 633 - 645, 2003.
- B.6 Lagogiannis G, Makris C. and Tsakalidis A: Reducing structural changes in van Emde Boas' data structure to the lower bound for the dynamic predecessor problem. *Journal of Discrete Algorithms*, Volume 4, Issue 1, pages 106 - 141, 2006.
- B.7 Lagogiannis G., Lorentzos N., Sioutas S., and Theodoridis E.: A Time Efficient Indexing Scheme for Complex Spatiotemporal

Retrieval. *SIGMOD RECORD*, Volume 38, Issue 3, pages 11-16, 2009. (ISI indexed, impact factor 0,642)

- B.8 Lagogiannis, Lorentzos N.: Partially persistent B-trees with constant worst-case update time. *Computers & Electrical Engineering*, Volume 38, Issue 2, 2012 (ISI indexed, impact factor 0,484)
- B.9 Lagogiannis G. Sideridis A. B.: *An Algorithmic Approach in Efficiently Maintaining Similar Versions of Knowledge*. *Journal of Information Technology in Agriculture*, Volume 4, Issue 1, 2011.
- B.10 G. Lagogiannis, N. A. Lorentzos, Alexander B. Sideridis: Indexing Moving Objects: A Real Time Approach. *Comput. Sci. Inf. Syst.* 10(1): 173-195 (2013)
- B.11 G. Lagogiannis. Parent queries over dynamic balanced parenthesis strings. *International Journal of Foundations of Computer Science*, 25, 25 (2014).
- B.12 G. Lagogiannis. Query-optimal partially persistent B-trees with constant worst-case update time. *International Journal of Foundations of Computer Science* 28 (02), 141-169 (2017)
- B.13 G. Lagogiannis, S. Kontopoulos and C. Makris. On the randomness that generates biased samples: The limited Randomness approach. *Computer Science and Information Systems* 16 (1), 205-225 (2019)
- B.14 Lagogiannis G. Dynamic Connectivity: Some graphs of interest. *IADIS International Journal on Computer Science and Information Systems*. Vol. 16, No. 1, pp. 1-15. ISSN: 1646-3692 (2021)

Referee in scientific conferences and journals

- Data and Knowledge Engineering (up to 2008)
- Computers and Electrical Engineering (2011 -)
- HAICTA 2008
- ITAFFE 2010
- HAICTA 2011,

Languages:

Greek, English