

## **DR. THEODOROS TZOURAMANIS**

Assistant Professor,  
Department of Computer Science and Biomedical Informatics,  
University of Thessaly,  
Greece

### **PERSONAL INFO**

Address: University of Thessaly, Papassiopoulou 2-4, Lamia 35131, Greece.  
Phone : +30-22310-66725  
e-mail : ttzouram AT uth DOT gr  
URL : <http://ttzouram.users.uth.gr/>

### **ACADEMIC EXPERIENCE**

- February 2019 - today: Assistant Professor, Department of Computer Science and Biomedical Informatics, University of Thessaly, Greece.
- October 2005 - today: Teaching undergraduate courses in the Department of Informatics, Hellenic Open University, Greece.
- February 2018 - September 2018: Assistant Professor (temporary post), Department of Computer Science, University of Thessaly, Greece.
- May 2008 - February 2019: Assistant Professor, Department of Information & Communication Systems Engineering, University of the Aegean, Greece.
- June 2003 - May 2008: Lecturer, Department of Information & Communication Systems Engineering, University of the Aegean, Greece.

### **TEACHING EXPERIENCE**

- Databases (undergraduate course), 2003 - today.
- Systems Analysis (undergraduate course), 2019 - today.
- Introduction to Computer Science (undergraduate course), 2019 - today.
- Information Systems for Biomedical Databases (postgraduate course), 2019 - today.
- Security in Database Systems (postgraduate course), 2003 - 2018.
- Multidimensional Databases and Internet-aware Applications (postgraduate course), 2005 - 2018.
- Databases - Data Mining (postgraduate course), 2004 - 2005.
- Databases II (undergraduate course), 2003 - 2007, 2017 - 2019.
- Advanced Methods for Data Management (undergraduate course), 2007 - 2018.
- Discrete Mathematics I (undergraduate course), 2003 - 2005, 2011 - 2019.

### **RESEARCH INTERESTS**

Database theory and systems; data protection.

### **SELECTED PUBLICATIONS**

- [1] T. Tzouramanis: 'Access Methods and Query Processing Algorithms for Temporal and Spatio-Temporal Databases', pages 206. Doctoral Thesis, Department of Informatics, Aristotle University, Greece, June 2002, in Greek.
- [2] A. Di Pasquale, L. Forlizzi, C.S. Jensen, Y. Manolopoulos, E. Nardelli, D. Pfoser, G. Proietti, S. Saltenis, Y. Theodoridis, T. Tzouramanis, and M. Vassilakopoulos: 'Access Methods and Query Processing Techniques', Chapter 6, pp. 169-217, In M. Koubarakis, T. Sellis et al. (eds.): 'Spatio-

Temporal Databases: The Chorochronos Approach', Springer Verlag, Lecture Notes in Computer Science (LNCS), Vol. 2520, 2003.

- [3] T. Tzouramanis: 'Benchmarking and Data Generation in Moving Objects Databases', pp. 23-28, In L. Rivero, J. Doorn, and E.V. Ferragline (eds.): 'Encyclopedia of Database Technologies and Applications', Idea Group Reference, April 2005.
- [4] T. Evdoridis and T. Tzouramanis: 'Security Issues in Legally Sensitive Web Portals'. In A. Tatnall (ed.): 'Encyclopedia of Portal Technology and Applications', Idea Group Reference, 2007.
- [5] T. Tzouramanis: 'SQL Injection Attack: an Insidious and Pervasive Threat of Web Portals'. In A. Tatnall (ed.): 'Encyclopedia of Portal Technology and Applications', Idea Group Reference, 2007.
- [6] K. Robotis and T. Tzouramanis: 'Electronic Money Management in Modern Online Businesses'. In L.J. Janczewski & A.M. Colarik (ed.): 'Encyclopaedia of Cyber Warfare and Cyber Terrorism', Idea Group Reference, April 2007.
- [7] T. Tzouramanis, M. Vassilakopoulos, and Y. Manolopoulos: 'Overlapping Linear Quadrees: A Spatio-Temporal Access Method', In Proceedings of the 6th ACM Workshop on Advances in Geographical Information Systems (ACM-GIS '98), ACM Press #605982, pp.1-7, Bethesda, MD, USA, November 1998.
- [8] T. Tzouramanis, Y. Manolopoulos and N. Lorentzos: 'Overlapping B+-Trees: An Implementation of a Transaction Time Access Method', Data and Knowledge Engineering, Vol.29, No.3, pp.381-404, 1999.
- [9] T. Tzouramanis, M. Vassilakopoulos and Y. Manolopoulos: 'On the Generation of Time-evolving Regional Data', Geoinformatica, Vol.6, No.3, pp.207-231, 2002.
- [10] T. Tzouramanis, M. Vassilakopoulos and Y. Manolopoulos: 'Benchmarking access methods for Time-Evolving Regional Data', Data and Knowledge Engineering, Vol.49, No.3, pp.243-286, 2005.
- [11] K. Kemalis and T. Tzouramanis: '[SQL-IDS: A Specification-based Approach for SQL-Injection Detection](#)', In Proceedings of the 23rd ACM Symposium on Applied Computing (ACM SAC 2008) - Computer Security Track, Fortaleza, Ceara, Brazil, March 2008.
- [12] J. Margaronis, M. Christou, E. Kavallieratou, and T. Tzouramanis: 'GCDB: A Character Database System', In Proceedings of the ACM MOCR 2009, Barcelona, Spain, July 2009.
- [13] T. Tzouramanis: '[A Robust Watermarking Scheme for Relational Databases](#)', In Proceedings of the 6th IEEE International Conference on Internet Technology and Secured Transactions (ICITST 2011), pp.783-790, IEEE Press, Abu Dhabi, United Arab Emirates, 11-14 December, 2011.
- [14] T. Tzouramanis: '[History-independence: A fresh look at the case of R-trees](#)', In Proceedings of the 27th ACM Symposium on Applied Computing (ACM SAC 2012) - Advances in Spatial and Image-based Information Systems Track, pp.7-12, Riva del Garda (Trento), Italy, March 26-30, 2012.
- [15] A. Kokkos and T. Tzouramanis: 'A Robust Gender Inference Model for Online Social Networks and its Application to LinkedIn and Twitter', First Monday, Vol.19, No.9, 2014.
- [16] A. Kokkos, T. Tzouramanis, and Y. Manolopoulos: '[A Hybrid Model for Linking Multiple Social Identities Across Heterogeneous Online Social Networks](#)', In Proceedings of the International Conference on Current Trends in Theory and Practice of Informatics (SOFSEM 2017), Springer, pp. 423-435, 2017.
- [17] C. Kalyvas, T. Tzouramanis, and Y. Manolopoulos: '[Processing Skyline Queries in Temporal Databases](#)', In Proceedings of the 32nd ACM Symposium on Applied Computing (SAC'2017), pp. 893-899, Marakesh, Morocco, 2017.
- [18] C. Kalyvas, A. Kokkos, and T. Tzouramanis: '[A survey of official online sources of high-quality free-of-charge geospatial data for maritime geographic information systems applications](#)', Information Systems, Vol.65, pp.36-51, 2017.
- [19] S. Kyriakopoulos, T. Tzouramanis, and Y. Manolopoulos: '[The dbMark: A Benchmarking System for Watermarking Schemes for Relational Databases](#)', In Proceedings of the 11th IEEE International Conference on Research Challenges in Information Science (RCIS 2017), pp. 110-119, Brighton, UK, 2017.
- [20] T. Tzouramanis: '[Secure Range Query Processing over Untrustworthy Cloud Services](#)', In Proceedings of the 21st International Database Engineering & Applications Symposium (IDEAS '17), pp. 108-117, Bristol, UK, 2017.

- [21] T. Tzouramanis and Y. Manolopoulos: '[Secure Reverse k-Nearest Neighbours Search over Encrypted Multi-dimensional Databases](#)', In Proceedings of the 22nd International Database Engineering & Applications Symposium (IDEAS '18), pp. 84-94, Calabria, Italy, 2018.
- [22] T. Tzouramanis, E. Tiakas, A. N. Papadopoulos, and Y. Manolopoulos. '[The Range Skyline Query](#)', In Proceedings of the 27th ACM International Conference on Information and Knowledge Management (CIKM '18), Torino, Italy, October 22-26, 2018.

#### **SERVED IN INTERNATIONAL SCIENTIFIC JOURNALS AS:**

- Reviewer for over 25 different international scientific journals since 2006.
- Editor for the [Open Journal of Databases \(OJDB\)](#), [Research Online Publishing \(RonPub\) UG \(haftungsbeschränkt\)](#), Germany, since 2013.
- Regional Editor for the journal [IEEE Transactions on Professional Communication](#), since 2008.

#### **SERVED IN INTERNATIONAL SCIENTIFIC CONFERENCES AS:**

- Program Committee Member for over 150 international scientific conferences, since 2004.
- External Reviewer for over 50 international scientific conferences, since 2000.
- Publicity Co-Chair for [the 11th International Conference on Management of Digital EcoSystems \(MEDES\), 2019](#).
- General Co-Chair for the Doctoral Consortium of [the 23rd International Conference on Advances in Databases and Information Systems, \(ADBIS DC\), 2019](#).
- Proceedings Editor for [the IEEE/WIC/ACM International Conference on Web Intelligence \(WI\), 2019](#).
- General Co-Chair for the Students Research Forum of [the International Conference on Current Trends in Theory and Practice of Computer Science, \(SOFSEM SRF\), 2020](#).
- Proceedings Editor for [the 10th International Conference on Web Intelligence, Mining & Semantics \(WIMS\), 2020](#).