

CURRICULUM VITAE

Professor Basil Tampakas



1. Personal Details - Contact

Born: 25 July 1962
Family : Married, two children
Permanent address: Technological Educational Institute of Patras, Department of Accounting, M. Alexandrou 1, Koukouli, 26334 Patras
Telephone: +302610369324,
E-mail : tampakas@teipat.gr

2. Education

Undergraduate: Computer Engineering and Informatics Diploma, University of Patras, Greece, 1986
Graduate: Ph.D. in Computer Engineering and Informatics, University of Patras, 1991
Subject of thesis: "Synchronisation Algorithms for Distributed Systems", Supervisor: Paul Spirakis

3. Professional Experience

A. CURRENT OCCUPATION

2003 – today: Professor, Department of Accountancy, Technological Educational Institute (TEI) of Patras

B. OTHER CURRENT ACTIVITIES

Member of the Associated Teaching Staff of the Greek Open University for the thematic unit "Software Engineering"

C. PAST OCCUPATION

1986 – 1991: Researcher of Computer Technology Institute (CTI)

1991 – 1992: Research and Teaching Assistance, Department of Computer Engineering and Informatics, University of Patras, Patras

1990 – 1992: Researcher of Intracom SA Company

1991 – 1997: Post Doctoral researcher of Computer Technology Institute (CTI)

1995 - 2003: Assistant Professor, Associate Professor, Department of Accountancy, Technological Educational Institute (TEI) of Patras

D. COOPERATION IN (SELECTED) INFORMATION TECHNOLOGY PROJECTS

1. Project SED ESPRIT 1227, 1272 (Setl Experimentation and Demonstrator) 1986-1989
2. Project ALCOM I BRA 3075 (Algorithms and Complexity) Σεπτέμβριος 1989 - 1992
3. Project REX ESPRIT II 2080 (Reconfigurable and Extensible Distributed Systems) 1990 - 1993
4. Project TEXTILE ΓΓΕΤ/STRIDE 1991 - 1992
5. Project ALCOM II Basic Research Action (Algorithms and Complexity) 1992 - 1995
6. Project EUROFORM 1992 - 1993
7. Project BEAM TELEMATICS 2001 (Biomedical Equipment Assessment and Management) 1991 - 1994
8. Project GEPPCOM 9072 - Basic Research (General Purpose Parallel Computation) 1992 - 1995
9. Project BEAM II HC-Telematics 1003 (Biomedical Equipment Assessment and Management) 1996 - 1996
10. Πρόγραμμα ALCOM-IT Basic Research in Information Technology (Algorithms and Complexity in Information Technology) Project Manager 1996 - 1997
11. Project Arhimedes II, "Data mining – Business Intelligence and their Application in Accounting/Financial problems", Project Manager 2005 –2006.

E. POST AFTER ELECTION

2005 – 2008: Vice president for Academic Affairs of Technological Educational Institute (TEI) of Patras.

2001 – 2005 and 2008 – today: Head of the Accountancy Department, Technological Educational Institute of Patras.

4. Teaching & Authoring

A. TEACHING

(a) Current Undergraduate Courses, Department of Accountancy, Technological Educational Institute (TEI) of Patras

2003 – today: Introduction to Accounting Information Systems

2010- today: Enterprise Resource Planning Systems

2008 – today: Introduction to Database Systems

(b) Current Undergraduate Courses in Greek Open University

Software Engineering

Database Systems

Operating Systems

(c) Past Undergraduate Courses in Department of Computer Engineering and Informatics, Patras University

1992 – 1995: Operating Systems I and Operating Systems II

1995 – 1998: Distributed Systems I and Distributed Systems II

(d) Past Undergraduate Courses in Department of Accountancy, Technological Educational Institute (TEI) of Patras

1995 – 2003: Information Systems I, Information Systems II, Information Systems III.

B. BOOKS

Author of the book *"OFFICE AUTOMATION"*, in Greek, for the Greek Open University, pages 200.

Author of the book *"INTRODUCTION TO DATABASE SYSTEMS"*, in Greek, pages 416, 2009.

Co-Author of the book *"THE USE OF SPREADSHEETS FOR RESOLVING FINANCE AND ADMINISTRATION PROBLEMS"*, in Greek, pages 396, 2010.

5. Research Interests

Distributed Systems, Mobile Distributed Systems.

Information Retrieval, Parallel and Distributed Information Retrieval.

Data Mining and Business Intelligence

6. Publications

A. JOURNAL PUBLICATIONS

«EFFICIENT DISTRIBUTED ALGORITHMS BY USING THE ARCHIMEDEAN TIME ASSUMPTION», P. Spirakis and B. Tampakas, Theoretical Informatics and Applications (RAIRO), vol. 23, 1989, pp. 113-128.

«TENTATIVE AND DEFINITE DISTRIBUTED COMPUTATIONS : AN OPTIMISTIC APPROACH TO NETWORK SYNCHRONIZATION», J. Garofalakis, S. Rajsbaum, P. Spirakis and B. Tampakas, Theoretical Computer Science, Special Issue on Reliable Distributed Computing, vol. 128, 1994, pp. 63-74.

«HIGH PERFORMANCE PARALLEL TEXT RETRIEVAL OVER LARGE SCALE DOCUMENT COLLECTIONS : THE PFIRE SYSTEM», B. Mamalis, P. Spirakis, B. Tampakas, International Journal of Computers and their Applications, Vol. 6, No. 3, Sept. 1999.

«Optimal High Performance Parallel Text Retrieval via Fat Trees», B. Mamalis, P. Spirakis, B. Tampakas, in journal of The Theory of Computing Systems (TOCS), 32, 591-623 (1999).

«PARALLEL PROCESSING OF MULTIPLE TEXT QUERIES ON HYPERCUBE INTERCONNECTION NETWORKS» B. Mamalis, P. Spirakis, B. Tampakas, International Journal of Computers and their Applications, (IJCA), Vol. 10, No 1, pp. 115-132, March 2003.

«ON IMPLEMENTING A FINANCIAL DECISION SUPPORT SYSTEM» S. Kotsiantis, D. Kanellopoulos, V. Tampakas in International Journal in Computer Science and Network Security (IJCSNS), Vol. 6, no.1A, January 2006, pp 103-112.

«TEXT CLASSIFICATION USING MACHINE LEARNING TECHNIQUES» M. Ikonomakis, S. Kotsiantis, V. Tampakas, , WSEAS Transactions on Computers, Issue 8, Volume 4, August 2005, pp. 966-974.

«FORECASTING FRAUDULENT FINANCIAL STATEMENTS USING DATA MINING» S. Kotsiantis, E. Koumanakos, D. Tzelepis, V. Tampakas, , International Journal of Computational Intelligence , 2006, Vol 3(2), pp. 104-110.

«SELECTIVE COSTING VOTING FOR BANKRUPTCY PREDICTION» S. Kotsiantis, D. Tzelepis, E. Koumanakos, V. Tampakas, International Journal of Knowledge-Based & Intelligent Engineering Systems (KES),11(2007).

«INTEGRATING ACTIVITY-BASED COSTING WITH SIMULATION AND DATA MINING», H. Kostakis, C. Sarigiannidis, B. Boutsinas, K. Varvakis, V. Tampakas, International Journal of Accounting and Information Management (εκδόσεις Emerald), Vol. 16, No. 1, 2008, pp.25-35.

«FINANCIAL APPLICATION OF MULTI-INSTANCE LEARNING: TWO GREEK CASE STUDIES», S. Kotsiantis, D. Kanellopoulos, V. Tampakas, Journal of Convergence Information Technology, Volume 5, Number 8, October 2010, pp. 42-53.

«COMBINING HETEROGENEOUS CLASSIFIERS: A RECENT OVERVIEW», S. Kotsiantis, V. Tampakas, JCITQ: Journal of Convergence Information Technology (ISSN: 1975-9320), Vol. 6, No. 10, pp. 164 ~ 172, 2011.

B. REFEREED CONFERENCES, FULL PAPER SUBMISSION

«EFFICIENT DISTRIBUTED ALGORITHMS BY USING THE ARCHIMEDEAN TIME ASSUMPTION», P. Spirakis and B. Tampakas, 5th Annual Symposium on Theoretical Aspects of Computer Science (STACS), February 1988, Bordeaux, France, Lecture Notes in Computer Science 294, pp. 248-263.

«SYMMETRY BREAKING IN ASYNCHRONOUS RINGS WITH $O(N)$ MESSAGES», P. Spirakis, B. Tampakas, A. Tsiolis, 3rd International Workshop on Distributed Algorithms (WDAG), September 1989, Nice, France, Lecture Notes in Computer Science 392, pp. 233-242.

«TENTATIVE AND DEFINITE DISTRIBUTED COMPUTATIONS : AN OPTIMISTIC APPROACH TO NETWORK SYNCHRONIZATION», J. Garofalakis, S. Rajsbaum, P. Spirakis and B. Tampakas, 6th International Workshop on Distributed Algorithms (WDAG), November 1992, Haifa, Israel, Lecture Notes in Computer Science 647, pp 111-119.

«DISTRIBUTED SYSTEM SIMULATOR (DSS)», P. Spirakis, B. Tampakas et al, 9th annual Symposium on Theoretical Aspects of Computer Science, February 1992, Cachan, France, Lecture Notes in Computer Science 577, pp. 615-616 (systems session).

«THE DESIGN OF A TEXT DATABASE FOR BIOMEDICAL INFORMATION», A. Krotopoulou, B. Tampakas et al., 1st International Conference on Medical Physics and Biomedical Engineering, May 1994, Nicosia, Cyprus.

«FINE DATABASE : A DATABASE FOR INFORMATION EXCHANGE AMONG CLINICAL ENGINEERS», », A. Krotopoulou, B. Tampakas et al., MIE-94 Congress, May 1994, Lisbon, Portugal.

«DICOMP : A STEP TOWARDS THE SIMULATION OF SDL SPECIFICATIONS», Ch. Papanikolaou, B. Tampakas et al, 7th International Conference on formal description techniques (FORTE 94), Berne, Switzerland, October 1994 (accepted in tool demonstrations).

«FIRE: A FLEXIBLE TOOL FOR EFFICIENT INFORMATION RETRIEVAL», M. Lafazanis, B. Mamalis, P. Spirakis, B. Tampakas, A. Tsakalidis, RIAO'94, October 1994, New York (accepted in prototype presentations).

«DISTRIBUTED PURSUIT-EVATION : SOME ASPECTS OF PRIVACY AND SECURITY IN DISTRIBUTED COMPUTING», P. Spirakis and B. Tampakas, Principles on Distributed Computing (PODC), August 1994, Los Angeles, Kalifornia (short presentation).

«PARALLEL TEXT RETRIEVAL ON A HIGH PERFORMANCE SUPERCOMPUTER USING THE VECTOR SPACE MODEL», P. Efraimidis, C. Glymidakis, B. Mamalis, P. Spirakis and B. Tampakas, 18th Annual International Conference on Research and Development in Information Retrieval (SIGIR), July 1995, Seattle, Washington, pp. 58-67.

«DISTRIBUTED PROTOCOLS AGAINST MOBILE EAVES-DROPPERS», P. Spirakis, B. Tampakas, H. Antonopoulou, 9th International Workshop on Distributed Algorithms (WDAG), September 1995, Le Mont-Saint-Michel, France, Lecture Notes in Computer Science 972, pp.160-168.

«EFFICIENT DISTRIBUTED INFORMATION RETRIEVAL TECHNIQUES WITH THE VECTOR SPACE MODEL», K. Antonis, B. Mamalis, B. Papakostas, P. Spirakis, A. Stamoulis, B. Tampakas, ISCA PDCS'96, September 1996, Dijon, France, pp. 726-731.

«PARALLEL TECHNIQUES FOR EFFICIENT SEARCHING OVER VERY LARGE TEXT COLLECTIONS», B. Mamalis, P. Spirakis, B. Tampakas, 5th Text Retrieval Conference (TREC-5), November 1996, Gaithersburg, USA, NIST Special Publication, pp. 377-389, 1996.

«OPTIMAL HIGH PERFORMANCE PARALLEL TEXT RETRIEVAL VIA FAT TREES», B. Mamalis, P. Spirakis, B. Tampakas, 10th International Conference on Parallel and Distributed Computing Systems, October 1-3, 1997, pp. 31-36, New Orleans, USA.

«IMPLEMENTATION AND TESTING EAVESDROPPER PROTOCOLS USING THE DSP TOOL», K. Hatzis, G. Pentaris, P. Spirakis, B. Tampakas, 2nd Workshop on Algorithmic Engineering, 20-22 August, 1998, Saarbruecken, Germany.

«FUNDAMENTAL DISTRIBUTED PROTOCOLS IN MOBILE NETWORKS», K. Hatzis, G. Pentaris, P. Spirakis, B. Tampakas, R. Tan, accepted as a brief announcement in 1999 ACM Symposium on Principles of Distributed Computing (PODC).

«FUNDAMENTAL CONTROL ALGORITHMS IN MOBILE NETWORKS», K. Hatzis, G. Pentaris, P. Spirakis, V. Tampakas and R. Tan, in 11th Annual ACM Symposium on Parallel Algorithms and Architectures, pp 251-260, 1999.

«COUNTING IN MOBILE NETWORKS: THEORY AND EXPERIMENTATION», Hatzis V., Pentaris G., Spirakis P., Tampakas V., 3rd Workshop on Algorithmic Engineering (WAE), Lecture Notes in Computer Science 1668, pp 95-109, 1999, London.

«PARALLEL PROCESSING OF MULTIPLE TEXT QUERIES ON HYPERCUBE INTERCONNECTION NETWORKS» B. Mamalis, P. Spirakis, B. Tampakas, Euro-Par, Lecture Notes in Computer Science – Parallel Processing 1685, pp 482-486, 1999.

«ON CONSTRUCTING A FINANCIAL DECISION SUPPORT SYSTEM» S. Kotsiantis, I. Zaharakis, V. Tampakas, P. Pintelas, in Proceedings of International Conference on Enterprise Systems and Accounting 2004 (ICESA 2004), September 3-4, 2004, Thessaloniki, Greece, pp 319-331.

«EFFICIENCY OF MACHINE LEARNING TECHNIQUES IN BANKRUPTCY PREDICTION», in Proceedings of International Conference on Enterprise Systems and Accounting 2005 (ICESA

2005), S. Kotsiantis, E. Koumanakos, D. Tzelepis, V. Tampakas, June 14-15, 2005, Thessalonica, Greece.

«TEXT CLASSIFICATION: A RECENT OVERVIEW» in proceedings of 9th WSEAS International Conference on COMPUTERS, S. Kotsiantis, V. Tampakas, July 14-16, Athens, 2005.

«FORECASTING FRAUDULENT FINANCIAL STATEMENTS USING DATA MINING» S. Kotsiantis, E. Koumanakos, D. Tzelepis, V. Tampakas, International Conference on Computer Science (ICCS 2006), March 29-31 2006, Vienna.

«PREDICTING FRAUDULENT FINANCIAL STATEMENTS WITH MACHINE LEARNING TECHNIQUES» Kotsiantis, E. Koumanakos, D. Tzelepis, V. Tampakas, Lecture Notes in Artificial Intelligence, Springer-Verlag, Vol. 3955, pp. 538 – 542, 2006, 4th Hellenic Conference on AI, SETN 2006, Heraklion, Crete, Greece, May 18-20, 2006.

«FINANCIAL APPLICATION OF NEURAL NETWORKS: TWO CASE STUDIES IN GREECE» S. Kotsiantis, E. Koumanakos, D. Tzelepis, V. Tampakas, , Lecture Notes in Artificial Intelligence, Springer-Verlag, Vol. 4132, pp. 672 – 681, 2006, ICANN 2006 : International Conference on Artificial Neural Networks, September 10 -14, Athens. Επιστημονική περιοχή: Ευφυή Πληροφοριακά Συστήματα

«TOWARDS AN ONTOLOGY – BASED SYSTEM FOR INTELLIGENT PREDICTION OF FIRMS WITH FRAUDULENT FINANCIAL STATEMENTS», D. Kanellopoulos, S. Kotsiantis and V. Tampakas, 12th IEEE Conference on Emerging Technologies and Factory Automation, pp 1300-1307, Patras 2007.

«ON IMPLEMENTING AN ONTOLOGY-BASED PORTAL FOR INTELLIGENT BANKRUPTCY PREDICTION», Sotiris Kotsiantis, Dimitris Kanellopoulos, Vasiliki Karioti and Vasilis Tampakas, in International Conference on Information and Financial Engineering (IEEE, ICIFE 2009), Singapore 17-20 April 2009, pp 108 - 112.

«AN ONTOLOGY-BASED PORTAL FOR CREDIT RISK ANALYSIS», Sotiris Kotsiantis, Dimitris Kanellopoulos, Vasiliki Karioti and Vasilis Tampakas, IEEE ICCSIT 2009: Special Session on Artificial Intelligence and Neural Networks (ICAINN 2009), pp. 165-169.

«INCREASING THE ACCURACY OF HIDDEN NAIVE BAYES MODEL», Sotiris Kotsiantis, Vasilis Tampakas, 6th Intl. Conference on Advanced Information Management and Service, IMS2010, with ICMIA2010 - 2nd International Conference on Data Mining and Intelligent Information Technology Applications, art. no. 5713456 pp. 247-252.

C. OTHER CONFERENCES

«THE SETLMON TOOL FOR MONITORING THE SETL LANGUAGE», C. Bouras, J. Garofalakis, P. Spirakis, B. Tampakas

and V. Triantafillou, , 2nd Panhellenic Conference on Computer Technology, November 4-6 1988, Thessaloniki, Greece.

«AN ANALYTIC MODEL FOR THE WORKLOAD OF SETL PROGRAMMES AS A SEMI-STATIONARY PROCESS», C. Bouras, J. Garofalakis, P. Spirakis, B. Tampakas and V. Triantafillou, , 2nd Panhellenic Conference on Computer Technology, November 4-6 1988, Thessaloniki, Greece.

«DVISUALIZER: CONTROL AND VISUALIZATION OF THE SIMULATION OF DISTRIBUTED SYSTEMS», G. Pentaris, P. Spirakis, B. Tampakas, 4th Panhellenic Conference on Computer Technology, December 1993, pp 99-110, Patras, Greece.

«HIPPOCRATES: A DISTANCE LEARNING TOOL FOR MEDICAL USE», J. Garofalakis,, B. Tampakas and others, 4th Panhellenic Conference on Computer Technology, December 1993, pp 99-110, Patras, Greece.

«NEW EFFICIENT FEATURES IN FIRE SYSTEM», K. Antonis, K. Govopoulos, K. Koumouisis, B. Mamalis, P. Spirakis, B. Tampakas, 5th Panhellenic Conference on Computer Technology, December 1995, pp 383-394, Athens, Greece.

«EFFICIENT FREE TEXT RETRIEVAL TECHNIQUES OVER LOCAL AND WIDE AREA NETWORKS», K. Antonis, B. Mamalis, B. Papakostas, P. Spirakis, A. Stamoulis, B. Tampakas, 1st Information TEE Conference, December 1995, pp 79-89, Athens.

«INDEXING AND RETRIEVAL IN LARGE DYNAMIC DOCUMENT COLLECTIONS», I. Caragiannis, A. Katsoulis, P. Spirakis, B. Tampakas, 6th Pan-Hellenic Conference on Computer Technology, December 1997, pp 653-394, Athens, Greece.

«ACTIVITY BASED COSTING SUPPORTED BY SIMULATION AND DATA MINING TECHNIQUES», Ch. Kostaki, Ch. Sarigiannidis, B. Voutsinas, N. Varvakis, B. Tampakas, 18th Pan-Hellenic Conference on Operational Research – “Planning, Information Retrieval and Knowledge Management”, pp. 185-194, Kozani, June 2006, Greece.

D. CITATIONS

There are known over than 220 citations from other authors.