



Dr. Konstantinos Antonis

Associate Professor

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Education

- 1989-1994 Computer Engineering and Informatics Diploma, Polytechnic School, University of Patras
- 1995-2000 PhD in Computer Engineering and Informatics, Polytechnic School, University of Patras, thesis: “Load Balancing and its Applications in Financial Systems”

Foreign Languages

- English (First Certificate in English, Cambridge University, 1991)
- French (Certificat de langue française, 1985)

Professional and Research Experience

- From June 2021 faculty member of the Physics Department of University of Thessaly, as Assistant Professor.
- From 29/1/2019 faculty member of the General Department of University of Thessaly, as Assistant Professor.
- From 5/10/2005 to 28/1/2019 faculty member of the Computer Engineering Department of the Technological Institute of Central Greece. Research area: “Distributed Systems and Applications in Education and Finance”. From 28/2/2013 as Assistant Professor.
- External cooperater of Reasearch Unit 6 of Computer Technology Institute and “Diofantos” Publications, in the following european projects (February 18th 2013 – December 31st 2013):
 - MED Technopolis
 - SNETOR
- Contributing in the SIVA project of the University of Patras from 1/4/2013-30/9/2014.
- Contributing in several national projects of the Technological Institute of Central Greece
- Member of Intracom SA, from January 2002 February 2003, contributing in the following european projects:

- PUSSEE
- HARMONICS
- January 1996 to February 2000: Member of Research Unit 1 of the Computer Technology Institute and “Diofantos” Publications, contributing in several European and national projects, e.g. ALCOM-IT, TRENDS

Teaching

- Teaching courses in the Technological Institute of Central Greece (from 2005)
 - Operating Systems
 - Distributed Systems
 - Special Issues on Distributed Systems
 - Parallel Systems
- From September 2014 external cooperator of the Computer Science Department of the University of Thessaly.
- Previously teaching as an external cooperator in the Technological Institute of Central Greece and the Technological Institute of Patras (now Technological Institute of West Greece).

Journal Publications

1. **Christos Bouras, Konstantinos Antonis, Georgios Diles, Vasileios Kokkinos, and Leonidas Loukopoulos**, “*Economic Broadband Development Through Infrastructure Sharing*”, International Journal of Business Data Communications and Networking (IJBDCN), Vol. 10, No.4, pp. 21-42, 2014.
2. **Konstantinos Antonis, Christos Bouras, Fabrizio D'Elia, Annalisa Di Vincenzo, Georgios Diles, Vasileios Kokkinos, and Andreas Koskeris**, “*Broadband and e-Government Services in South East Europe: Comparative Analysis, Impact and Policy Recommendations*”, International Journal of Interdisciplinary Telecommunications and Networking (IJITN), January – March 2014, Vol.6, No 1, pp.39-56.
3. **Konstantinos Antonis, Thanasis Daradoumis, Spyros Papadakis and Christos Simos**, “*Evaluation of the Effectiveness of a Web-Based Learning Design for Adult Computer Science Courses*”, IEEE Transactions on Education, Vol. 54, Issue 3, 374-380, August 2011.
4. **K. Antonis and N. Voros**, “*System Level Design of Telecom Systems Using Formal Model Refinement: Applying the B Method/Language in Practice*”, Journal of Systems Architecture, Vol. 54/1-2 (2008), pp. 287-304.
5. **Petros Th. Lampsas, Vassilis Triantafylloy & Konstantinos Antonis**, “*On the Systemic Overview of the Introduction of Information and Communication Technologies in Learning Environments*”, Open Education, Vol. 4, 2006.

6. **K. Antonis, J. Garofalakis, J. Mourtos, and P. Spirakis**, “A Hierarchical Adaptive Distributed Algorithm for Load Balancing”, *Journal of Parallel and Distributed Computing* (Elsevier), Vol. 64, pp. 151-162, January 2004.
7. **Antonis K., Bouras C., Garofalakis J., Kastis N., Kontogiannis S., Lampsas P., Spirakis P., Tsakarisianos G.**, “Results and experience from the application of a common methodology for Users Requirements Specification in Distance Education using Telematics”, *Journal of Technology & Teacher Education* (JTATE), 6(1), pp.61-74, 1998.

Book Chapters

Petros Lampsas, Jim Prentzas, and Konstantinos Antonis, “Adult Distance Education in Informatics with the Use of Information and Communication Technologies”, (in Greek). *Videoconference in the Service of Life-Long Learning and Distance Education: Pedagogical – Technological Methods of Distance Collaborative Learning in Greek Higher Level Education*, (in greek), chapter 9, Gutenberg, Publications, 2008.

International Conference Publications

1. **Konstantinos Antonis, Christos Bouras, Georgios Diles, Vasileios Kokkinos, and Leonidas Loukopoulos**, “A Novel Tool for Cost-Efficient Broadband Development Through Infrastructure Sharing”, *Proceedings of the IEEE 20th Symposium on Computers and Communications (ISCC)*, 6-9 July 2015, Larnaca, Cyprus.
2. **Konstantinos Antonis, Christos Bouras, Fabrizio D'Elia, Annalisa Di Vincenzo, Georgios Diles, Vasileios Kokkinos, and Andreas Koskeris**, “Comparative analysis of broadband penetration and digital public services in South East Europe”, *Proceedings of the IEEE 19th Symposium on Computers and Communications (ISCC)*, 23-26 June 2014, Madeira, Portugal.
3. **M. Tasiou, K. Antonis, and T.A. Michail**, “Combining Load Balancing with Energy Saving in a Cluster-based P2P System”, *Proceedings of the IARIA 9th International Multi-Conference on Computing in the Global Information Technology (ICCGI 2014)*, Seville, 22-27 June, pp. 115-120, 2014.
4. **N. Karagiannis, K. Giannakos and K. Antonis**, “Comparing Travelling Design Patterns for Mobile Agent Development Using JADE”, *Proceedings of the IEEE 19th International Multi-Conference on Computing in the Global Information Technology (ICCGI 2012)*, Venice, 24-29 June, pp. 8-13, 2012. Best paper award.
5. **G. Pentaris, K. Antonis, P. Lampsas and S. Papadakis**, “Evaluation of combined Collaborative and Problem-based Approach in a Web-based Distance Education Course”, *Proceedings of the 2008 European LAMS Conference*, in Cadiz (Spain), pp. 149-159, 25-27 June, 2008.
6. **K. Antonis, P. Lampsas and J. Prentzas**, “Adult Distance Learning Using a Web-based Learning Management System: Methodology and Results”, 6th International

Conference on Web-based Learning (ICWL) 2007, Edinburgh 15-17 August 2007, pp. 240-247.

7. **K. Antonis and N. Voros**, “*Applying Formal Methods for the Design of Wireless Telecommunication Systems*”, Mobimedia 2007, Ναύπακτος, 27-29/08/2007.
8. **K. Antonis, J. Garofalakis, and P. Spirakis**, “*A Comparative Symmetrical Transfer Policy for Load Sharing*”, Proc. Euro-Par conference, 1998, pp. 352-355.
9. **Antonis K., Bouras C., Garofalakis J., Kastis N., Kontogiannis S., Lampsas P., Spirakis P., Tsakarisianos G.**, “*Conclusions on the Analysis of User Requirements concerning the use of ICT in the Didactic Process*”, ED-MEDIA/ED-TELCOM’97 conference, pp.13-18, 1997.
10. **K. Antonis, B Mamalis, B. Papakostas, P. Spirakis, A. Stamoulis, B. Tampakas**, “*Efficient and Effective Distributed Information Retrieval Techniques with the Vector Space Model*”, PDCS ’96 conference, September 1996, pp. 726-731.

Greek Conference Publications

1. **Σπύρος Παπαδάκης, Ιωάννης Κάτσενος, Κωνσταντίνος Αντωνής, Πέτρος Λάμπσας και Στέλλα-Μαρία Σταμούλη**, “*Μαθήματα Πληροφορικής εξ αποστάσεως με την προσέγγιση της ανεστραμμένης τάξης στην Τριτοβάθμια Εκπαίδευση*”, 12^ο Πανελλήμιο/Διεθνές Συνέδριο «Οι ΤΠΕ στην Εκπαίδευση», 2021.
2. **Κωνσταντίνος Αντωνής, Πέτρος Λάμπσας, Δημήτρης Πρέντζας**, “*Results from the Implementation of an Adult Educational Program with the Use of a Learning Management System*”, 4th International Conference for the Open and Distance Education, Vol. B, pp. 285-291, Athens, November 2007.
3. **Ανδρέας Νιώρας, Θανάσης Λουκόπουλος, Κωνσταντίνος Αντωνής, Δημήτρης Πρέντζας, Παναγιώτης Παπάζογλου, Πέτρος Λάμπσας, Σταύρος Καρκάνης**, “*Application of a Hybrid Distance Education Method with the Use of the Blackboard System*”, 3rd International Conference for the Open and Distance Education, Vol. B, pp. 311-318, Patras, November 2005.
4. **Αντωνής Κ., Μάμαλης Β., Παπακόστας Β., Σπυράκης Π., Σταμούλης Α., Ταμπακάς Β.**, “*Distributed Management and Text Retrieval Techniques over Local and Wide Area Networks*”, (in greek), 1st Conference organized by the Greek Technical Chamber, “The Information Society”, pp. 79-89, 1995.

Books

1. **Konstantinos Antonis and Petros Lampsas**, editing of the book “*Operating System Concepts*” (in greek), A. Silberschatz, G. Gagne and P.B. Galvin, 7th edition, Wiley & Sons, 2005 . Greek edition by Ion Publications, 2007.

Citations

1. **Google Scholar: 103**

2. **Scopus: 46**