CURRICULUM VITAE

Koutsonikos Ioannis

Associate Professor, University of Patras
Tourism Management Department

General Information

Work address:

Tourism Management Department

University of Patras

M. Alexandrou 1, Koukouli

263 34 Patras, Greece

E-mail: gkoutson@upatras.gr

Tel.: +30 2610 962884

Academic Qualifications

March 2001:   Postgraduate Certification in Adult Learning, Hellenic Open University (EAP)

May 1999:   Postgraduate Certification in Open and Distance Learning, Hellenic Open University (EAP)

February 1998:   Postgraduate Certification in Pedagogy, Higher School of Pedagogical and Technological Education (ASPAITE)

February 1991:   PhD in Computer Networks, Electrical Engineering and Computer Technology Department, University of Patras

November 1985: Diploma, Computer Engineering and Informatics Department, University of Patras

Teaching Experience

May 2019 - Onwards

Position: Associate Professor, University of Patras, Tourism Management Department

Courses: Information Technology, Databases, Electronic Business, New Technologies in Intelligent Tourism Systems

October 2020 - Onwards

Position: Lecturer, Hellenic Open University, Information Technology Programme

Courses: Introduction to Computers Science - Module PLH-10

September 2013 - April 2019

Position: Assistant Professor, Technological Education Institute of Western Greece, Business Administration Department

Courses: Information Technology, Algorithms and Programming, Data Structures, Computer Networks, Internet Applications, Electronic Business

June 2000 – July 2017

Position: Lecturer, Hellenic Open University, Information Technology Programme

Courses: Introduction to Computers Science - Module PLH-10

January 2007 - August 2013

Position: Assistant Professor, Technological Education Institute of Patras, Business Planning and Information Systems Department

Courses: Information Technology, Algorithms and Programming, Data Structures, Computer Networks, Internet Applications, Electronic Business

September 2000 - December 2006

Position: Lecturer, Technological Education Institute of Patras, Business Planning and Information Systems Department

Courses: Information Technology, Databases, Data Structures, Computer Networks, Internet Applications, Electronic Business

February 2004 - June 2006

Position: Lecturer, Technological Education Institute of Patras, Information Technology and Mass Media Department

Courses: Computer Programming, Computer Networks

September 1995 - August 2000

Position: Lecturer, Technological Education Institute of Patras, Electrical Engineering Department

Courses: Computer Programming, Computer Applications

Selected Research Projects

Research Projects - European

1. «IPA - Agreement No 89720995/89723992»: Development of an information storage system on multi-format material, funding: IBM Zurich Research Laboratory, Development of DSP Firewire support software (January 2005 - November 2005).

2. «Design and Demonstration of a System for Decision Support in Forest Fire Detection and Prevention», EU - EPOCH project CT91 0040, Collaboration between the University of Patras and the FEL - TNO Institute in the Netherlands, (May 1992 - July 1992).

3. «Dynamically Adaptable Multi-Service System - DAMS», EU - ESPRIT II project EP2146, Development of control devices for an Ethernet-to-DAMS gateway, (October 1989 - October 1991).

4. «Metropolitan Area Communication System - MAX», EU - ESPRIT II project EP2100, Development of control devices for an Ethernet-to-MAX gateway, (September 1989 - July 1991).

5. «Local Integrated Optical Network - LION», EU - ESPRIT I project 169, Development of an Ethernet-to-LION gateway, Collaboration between the University of Patras and ALCATEL - TITN in France (June 1986 - August 1989).

6. «Integrated Broadband Communication Network - IBCN», EU - RACE I project, Consulting Engineer to the Hellenic Aerospace Industry (EAB) for network and subscriber interconnection (June 1986 - December 1986).

Research Projects - National

7. «MaVYS - Investigation of learning mechanisms in biological and computational systems», University of Patras, Development of software for processing electrophysiological signals and data and statistical processing of signals, (December 2017 - May 2018).

8. «Design and Implementation of a two-layer Computer Optical Local Area Network», Ministry of Research and Technology, Greece (September 1987 - September 1989).

Development Projects

9. «European Electronic Information Centre for Adult Education - ELECTRA», IST project 97270, EU - DG III and DG XIII, MENTOR Training, Project Manager (January 1998 - March 2000).

10. «Spelling Checker for the Greek Language - Translator's WorkBench (TWB)», EU ESPRIT II project, L-CUBE, Technical Manager (April 1989 - August 1989).

Employment and Adaptation to Technological Change Initiatives

11. «PEIRAN - Implementation of Social Franchising for unemployed young people», EQUAL project - Measure 2.2: Strengthening the Social Economy, Ministry of Labour and Social Insurance, MENTOR Training, January 2002 - December 2004.

12. «DARING - Disabled people working in new Internet jobs», EMPLOYMENT - HORIZON project 614/186659/31-12-1997, Ministry of Labour and Social Insurance, MENTOR Training, Project Manager, January 1998 - December 2000.

13. «NAFSIKA - Education and development of business activity in the field of ecotourism by women of Mountainous Nafpaktia», EMPLOYMENT - INTEGRA project 186596/31-12-1997, Ministry of Labour and Social Insurance, MENTOR Training, Project Manager, January 1998 - December 2000.

14. «IDEAL 2 - Integrated intervention for the development of employment and competitiveness of small and medium-sized enterprises in the food and beverage sector in the Region of Western Greece», ADAPT project 184916/8-8-1997, Ministry of Labour and Social Insurance, MENTOR Training, Development of a distance training system, January 1998 - December 1999.

15. «IDEAL - Integrated program for the development of innovative activities and the adaptation of human resources in Western Greece», ADAPT project 180380/16-02-96, Ministry of Labour and Social Insurance, MENTOR Training, Development of a distance training system, February 1996 - December 1997.

Educational Projects

16. «TELNET - Teletraining in new technologies», CONNECT project Nᵒ 1999-1718/001-001, DG XXII, MENTOR Training, Project Manager, November 1999 - October 2001.

17. «TELEFOS - An Open Distance Learning tool for teleworkers», LEONARDO DA VINCI project EL/97/2/00726/PI/II.1.1.a/CONT, DG XXII, MENTOR Training, Project Manager, December 1997 - May 2000.

Studies

18. «Design and Implementation of empirical research to investigate the training needs of small businesses in lifelong learning programs», in the project «Providing introductory knowledge and entrepreneurship and IT skills to the self-employed, employers and employees of small businesses», in collaboration with the Small Enterprises Institute of the Hellenic Confederation of Professionals, Craftsmen, and Merchants (GSEVEE), June 2008 - October 2008.

19. «Study on the Promotion and Implementation of Teleworking in Greece», "Information Society" Programme, Ministry of Labour and Social Insurance, MENTOR Training, November 2003 - May 2004.

Research Interests

- Computer communication networks
- Internet services and applications
- Communication software development
- E-Learning
- E-Business development
- New Technologies in Tourism

Current Year Courses

- [Information Technology](#)
- [Databases](#)
- [New technologies in Intelligent Tourism Systems](#)

Research Networks

- Google Scholar: https://scholar.google.com/citations?user=2Oz9P2MAAAAJ&hl=el
- Scopus: https://www.scopus.com/authid/detail.uri?authorId=57202039289
- Web of Science: https://publons.com/wos-op/researcher/4440528/giannis-koutsonikos
- Research Gate: https://www.researchgate.net/profile/Giannes-Koutsonikos/stats

Selected Publications

Published Papers

[J.1]   G. Kostopoulos, S. Kotsiantis, N. Fazakis, G. Koutsonikos and C. Pierrakeas, «A Semi-Supervised Regression Algorithm for Grade Prediction of Students in Distance Learning Courses», International Journal on Artificial Intelligence Tools 28 (04), 1940001, 2019.

[J.2]   Kostopoulos G., Kotsiantis S., Pierrakeas C., Koutsonikos G. & Gravvanis G.A., «Forecasting students' success in an open university», International Journal of Learning Technology (IJLT), Vol. 13, No. 1, pp. 26 - 43, 2018.

[J.3]   I. Koutsonikos and I. Mitropoulos, «Teleworking: Trends and Implications», Archives of Economic History, ISSN: 1108-7005, Vol. XIX, No 2, July - December 2007, pp. 157 - 180.

[J.4]   T. Karalis and G. Koutsonikos, «Issues and Challenges in Organising and Evaluating Web-based Courses for Adults», Themes in Education, ISSN: 1108-5908, Volume 4, No 2, 2003, pp. 177 - 188.

[J.5]   T. Antonakopoulos, S. Koutroubinas, J. Koutsonikos and V. Makios, «A Distributed Bandwidth Allocation Algorithm for Gbit/s LANs», The EUROMICRO Journal of Microprocessing and Microprogramming, ISSN: 0165-6074, Volume 38, No 1 - 5, September 1993, pp. 301 - 308.

[J.6]   T. Antonakopoulos, J. Koutsonikos and V. Makios, «An Adaptable Frame Multiplexing Scheme for Source Routing Bridges», The Euromicro Journal of Microprocessing and Microprogramming, ISSN: 0165-6074, Volume 35, No 1 - 5, September 1992, pp. 409 - 416.

Books

[B.1]   Konstantinos Tsekouras, Ioannis Koutsonikos, Areti Gypali, «Training needs analysis of very small and small Greek enterprises», Publication of the Small Enterprises Institute of the Hellenic Confederation of Professionals, Craftsmen, and Merchants (GSEVEE), November 2008, Athens

[B.2]   C. Pierrakeas, G. Koutsonikos, «New Technologies in Teleworking», Metaichmio Editions, ISBN: 960-375-431-5, May 2003, Athens.

Book Chapters

[BC.1] Pierrakeas, C., Koutsonikos, G., Lipitakis, A. D., Kotsiantis, S., Xenos, M., & Gravvanis, G. A., «The Variability of the Reasons for Student Dropout in Distance Learning and the Prediction of Dropout-Prone Students», in Machine Learning Paradigms (pp. 91-111), Springer, Cham, 2020.

[BC.2] G. Koutsonikos, «Educational techniques in Informatics», in «Educational material for theoretical training instructors - Volume II», Pages 131 - 163, National Accreditation Centre for Continuing Vocational Training (EKEPIS) publications, Athens, 2006.

[BC.3] G. Koutsonikos, «Educational techniques in Informatics», in «Adult Education Methodology - Volume D: Examples», Pages 91 - 117, Hellenic Open University (EAP) publications, ISBN: 960-538-552-X, Patras, 2005.

[BC.4] G. Koutsonikos, M. Katsigianni, «The role of the Internet in informing executives and adult educators», in the book «Adult Education - Contribution to offer expert knowledge to executives and educators », Ed. «Ellinika Grammata», ISBN 960-406-389-8, Pages 51 - 62, 2003.

Papers presented in International Conferences

[C.1] M. Tsiakmaki, G. Kostopoulos, G. Koutsonikos, C. Pierrakeas, S. Kotsiantis and O. Ragos, «Predicting University Students' Grades Based on Previous Academic Achievements», The 9th International Conference on Information, Intelligence, Systems and Applications - IISA 2018, 23-25 July 2018, Zakynhtos, Greece, IEEE.

[C.2] Spyropoulou, N., Demopoulou, G., Pierrakeas, C., Koutsonikos, I., & Kameas, A., «Developing a Computer Programming MOOC», Procedia Computer Science, Proceedings of the International Conference on Communication, Management and Information Technology, ICCMIT 2015 (pp. 182 - 191), Elsevier.

[C.3] Markellos K., Markellou P., Koutsonikos G., and Liopa-Tsakalidi A., «Semantic E-learning: Next Generation of E-learning?», 3rd International Conference on e-Democracy «Next Generation Society: Technological and Legal Issues», Athens, Greece, September 23 - 25, 2009.

[C.4] J. Koutsonikos, T. Antonakopoulos and V. Makios, «Efficient Bandwidth Allocation in Buffer Insertion Ring Networks», Proceedings of the 5th

Canadian Conference on Electrical and Computer Engineering, ISSN: 0840-7789, Toronto, Canada, September 1992, pp. 1.22.1 - 1.22.5.

[C.5] T. Antonakopoulos, J. Koutsonikos and V. Makios, «Bounded Transfer Delays in Buffer Insertion Rings using Load-Controlled Scheduling of Traffic», The 5th IEEE Workshop on Metropolitan Area Networks, Taormina, Italy, May 10 - 13, 1992.

[C.6] J. Koutsonikos, T. Antonakopoulos and V. Makios, «A Dynamic Buffer Structure for LAN Gateways», The 21st IEEE Communication Theory Workshop, Rhodes, Greece, June 30 - July 6, 1991.

[C.7] T. Antonakopoulos, J. Koutsonikos and V. Makios, «Design, Implementation and Performance Analysis of an ETHERNET to LION Gateway», NATO ASI Series F: Computer and Systems Sciences, Vol. 72: «High-Capacity Local and Metropolitan Area Networks: Architecture and Performance Issues» (Edited by Guy Pujolle), Springer-Verlag, pp. 455 - 469 (ISBN 3-540-53767-8), NATO Advanced Research Workshop on High-Capacity Local and Metropolitan Area Networks, Sophia Antipolis, France, June 1990.

[C.8] J. Koutsonikos, T. Antonakopoulos, V. Pallios and V. Makios, «Analysis and Implementation of the Gateway between the ETHERNET and a High-speed Multiservice LAN», Proceedings of the 8th IASTED International Symposium on Applied Informatics, ISBN: 0-88986-142-0, Innsbruck, Austria, February 19 - 21, 1990, pp. 243 - 246.

[C.9] J. Koutsonikos, T. Antonakopoulos, V. Pallios and V. Makios, «ETHERNET Gateway Implementation for a High-speed Multiservice LAN», The 2nd International Conference on Software Engineering for Real Time Systems, IEE, Cirencester, UK, September 18 - 20, 1989, pp. 180 - 183.

[C.10] T. Antonakopoulos, J. Koutsonikos, V. Pallios and V. Makios, «Simulation Analysis of Access Protocol Storage Requirements in a Local Area Network Node Environment», Proceedings of the 8th IASTED International Conference on Modelling, Identification and Control, ISBN: 0-88986-113-7, Grindelwald, Switzerland, February 7 - 10, 1989, pp. 397 - 401.

[C.11] J. Koutsonikos, V. Pallios, T. Antonakopoulos and V. Makios, «Performance Analysis of an ETHERNET Network Connected to a High-Speed LAN», First European Conference on Information Technology for Organisational Systems (EURINFO '88), IFIP, Athens, May 16 - 20, 1988, pp. 522 - 526.