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### **Education**

1. Ph.D. in Computer Science, Dept. of Informatics, Athens University of Economics and Business (AUEB, 1992).
2. B.Sc. in Computer Science, Dept. of Informatics, Athens University of Economics and Business (AUEB, 1987).

### **Working Experience**

1. Assistant Professor, Dept. of Archive and Library Sciences, Ionian University, 3/2002 - .
2. Systems Librarian, NCSR "Demokritos", 9/1996 – 3/2002.
3. IT Consultant, National Centre for Surveillance and Intervention, Ministry of Health and Welfare, 11/1997 - 6/1999
4. System Analyst, Division of Informatics, the Greek Industrial Development Bank, 5/1995 - 8/1996.
5. R&D Department manager, OMAS S.A. (Consulting Company) 4/1994 - 5/1995.

### **Research Interests**

- Digital Libraries
- User Modeling
- Web mining, information filtering
- Semantic Web
- E-learning
- Intelligent Agents - Multiagent systems

### **Activities**

- Project Proposal evaluator, Information Society Technologies (IST) program, 5th EU R&D Program-Framework, Action Line: Digital Collections - Cultural Heritage.
- Project Proposal evaluator, National Program for Education (EU funded), Action Line: Academic Libraries.
- Member of the Expert Committee for the technical evaluation of the EU DGV IDA Care project: Health Surveillance System for Communicable Disease (HSSCD, <http://hsscd.euphin.org/>).
- Chairman and Organizer of the Workshop on Machine Learning in User Modeling in conjunction with the Advance Course in Artificial Intelligence (ACAI '99), Chania, Greece, July 6, 1999.
- Member of the Program Committee of the Workshop on Web Usage Analysis and User Profiling (WEBKDD '99) in conjunction with the International Conference on Knowledge Discovery and Data Mining (KDD99), San Diego, August 15-18, 1999.
- Member of the Program Committee of the 2nd and 3<sup>rd</sup> Hellenic Conference on Artificial Intelligence.
- Member of the Organizing Committee of the Advance Course in Artificial Intelligence (ACAI '99), Chania, Greece, July 5-16, 1999.
- Member of the Organizing Committee of the 12th International Symposium on Languages for Intensional Programming, Athens, Greece, June 28-30, 1999.

- Member of the Technical Committee of the Greek Research Libraries Consortium, 1998-.

### Research and Development Projects

1. Researcher, IST-2000-25366 CROSSMARC *Cross-Lingual Multi-Agent Retail Comparison*, Information Society Technologies Program (IST), 3/2001 - .
2. Researcher, *WebC-MINE: Usage Mining from the log-files of WWW cache and proxy servers*, Hellenic - Cyprus Research Cooperation Program, 2000- .
3. Researcher, IST-1999-11747 UNIVERSAL *The Universal Exchange for Pan-European Higher Education* Information Society Technologies Program (IST), 11/2000 - .
4. Deputy Project Manager in the EU funded National project "Development of new Information Services in the Library of NCSR Demokritos", NCSR "Demokritos", 1996-.
5. Project Manager in NCSR "Demokritos" funded project: "Development of User Communities in Digital Libraries", NCSR "Demokritos", 4/1999 - .
6. Technical Manager in the EU funded National Information System project "Development of a Data Bank for the Greek Lignite", NCSR "Demokritos", 11/1998-.
7. Research associate, Foundation for Economic and Industrial Research, 2-6/1996.
8. Project manager in EU (DG III) project "Development and Implementation of Efficient Blood Management Systems", OMAS S.A., 1994-1995.
9. Systems Analyst in the EU funded National project "Development of the information system of the Library of AUEB", AUEB, 1992.
10. Systems Analyst in the AUEB Research Centre project "Comparative Census Data", AUEB, 9/1993.
11. Researcher in the National Technical University of Athens (NTUA) project "Information System for the Assessment of Irrigation Projects", NTUA 1989 - 1991.

### Publications

1. **C. Papatheodorou**, S. Kapidakis, M. Sfakakis, A. Vassiliou, "Mining User Communities in Digital Libraries", *Information Technology and Libraries*, Vol. 22(4), pp. 152-157, December 2003.
2. D. Pierrakos, G. Paliouras, **C. Papatheodorou**, C.D. Spyropoulos, "Web Usage Mining as a Tool for Personalization: A Survey", *User Modeling and User-Adapted Interaction*, Vol. 13(4), pp. 311-372, November 2003.
3. G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, C.D. Spyropoulos, "Learning Communities of Users on the Internet", *Interacting with Computers*, Vol. 14(6), 2002, pp. 761-791.
4. **C. Papatheodorou**, "Machine Learning in User Modeling", In G. Paliouras, V. Karkaletsis, C. Spyropoulos eds., "Machine Learning and Applications", Lecture Notes in Artificial Intelligence (LNAI), No 2049: Springer-Verlag, 2001, pp. 286-294.
5. C. Marinagi, C.D. Spyropoulos, **C. Papatheodorou**, S. Kokkotos, "Continual Planning and Scheduling for Managing Patient Tests in Hospital Laboratories", *Artificial Intelligence in Medicine Journal*, Vol. 20(2), pp. 139-154, 2000.
6. C. Hadjichristodoulou, **C. Papatheodorou**, E. Soteriades, G. Panagakos, I. Kastritis, G. Goutziana, E. Charvalos, Y. Tselentis, "An Application of a Prototype Computerised Mapping Program in the Epidemiological Study of Brucellosis in 8 Greek villages", *European Journal of Epidemiology*, Vol. 15(7), pp. 671-680, 1999.
7. **C. Papatheodorou**, V. Magirou, E. Kiountouzis, "Problem Decomposition in Distributed Problem Solving Systems", *Journal of Applied Intelligence*, Vol. 3, pp. 301-315, 1993.
8. E. Kiountouzis, **C. Papatheodorou**, "Distributed Artificial Intelligence and Soft Systems: A Comparison", *Journal of Operational Research Society*, Vol. 41, No 5, pp. 441 - 446, 1990.
9. **C. Papatheodorou**, "Artificial Intelligence and Digital Libraries" (in Greek), Tekmirion - Scientific Edition of the Dept. of Archives and Library Sciences, Ionian University, No 3, 2001.
10. D. Pierrakos, G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, M. Dikaiakos, "Construction of Web Community Directories using Document Clustering and Web Usage Mining", *Proceedings*

*of the 1st European Web Mining Forum*, Workshop at ECML/PKDD-2003, Cavtat-Dubrovnik, Croatia, 22 September 2003.

11. D. Pierrakos, G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, M. Dikaiakos, "Construction of Web Community Directories by Mining Usage Data", *2nd Hellenic Data Management Symposium*, Athens, Greece, 4-5 September, 2003.
12. G. Prokopiadou, **C. Papatheodorou**, D. Moschopoulos, "Government Information Centres: Digital Library Architecture for Depicting Public Sector's Hierarchy", *Proceedings of the 3rd European Conference on E-Government*, Dublin, Ireland, 4-7 July 2003, pp. 39-358.
13. K. Zygoiannis, **C. Papatheodorou**, K. Chandrinou, K. Makropoulos, "Automatic Web Resource Discovery for Subject Gateways", *Proceedings of the 10th International Conference on Human - Computer Interaction, (HCI International 2003)*, Crete, Greece, 22-27 June 2003, Volume I, pp. 883-887.
14. **C. Papatheodorou**, A. Vassiliou, B. Simon, "Discovery of Ontologies for Learning Resources Using Word-based Clustering", *Proceedings of the World Conference on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2002)*, Denver, Colorado, USA, 2002, pp. 1523-1528.
15. D. Pierrakos, G. Paliouras, **C. Papatheodorou**, C.D. Spyropoulos, "KOINOTITES: A Web Usage Mining Tool for Personalization", *Proceedings of the Panhellenic Conference on Human Computer Interaction*, Patras, December 2001.
16. G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, C.D. Spyropoulos, "Clustering the Users of Large Web Sites into Communities", *Proceedings of the Seventeenth International Conference on Machine Learning (ICML 2000)*, P. Langley ed., Morgan Kaufmann, 2000, pp. 719-726.
17. G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, C.D. Spyropoulos, P.Tzitziras, "Large-Scale Mining of Usage Data on Web Sites", *AAAI 2000 Spring Symposium on Adaptive User Interfaces*, Stanford, CA, 2000, pp. 92-97.
18. G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, C.D. Spyropoulos, P.Tzitziras, "From Web Usage Statistics to Web Usage Analysis," *Proceedings of the IEEE International Conference on Systems Man and Cybernetics*, 1999, pp. II-159-164.
19. G. Paliouras, V. Karkaletsis, **C. Papatheodorou**, C.D. Spyropoulos, "Exploiting Learning Techniques for the Acquisition of User Stereotypes and Communities," *Proceedings of the International Conference on User Modelling (UM '99)*, CISM Courses and Lectures, No. 407:Springer-Verlag, 1999, pp. 169-178.
20. G. Paliouras, **C. Papatheodorou**, V. Karkaletsis, C.D. Spyropoulos, V. Malaveta, "Learning User Communities for Improving the Services of Information Providers," *Proceedings of the 2nd European Conference on Digital Libraries (ECDL '98)*, Lecture Notes in Computer Science (LNCS), No. 1513: Springer-Verlag, 1998, pp. 367-384.
21. **C. Papatheodorou**, "Task Decomposition in Distributed Problem Solving Systems: A special case", *Proceedings of the Sixth Scandinavian Conference on Artificial Intelligence, SCAI 97*, IOS Press, August 1997, pp. 199-208.
22. E. Kiountouzis, **C. Papatheodorou**, "A Knowledge Based System to Evaluate the Design of Irrigation Projects", *Proc. 12th IFORS International Conference on Operational Research*, pp. 313 - 321, Pergamon Press, PLC, 1990.
23. **C. Papatheodorou**, "User Modeling in Digital Libraries" (in Greek), *Proceedings of "Weaving new webs: Cooperation for Survival in the New Millennium" Symposium*, Aristotle University of Thessaloniki, March 2000.