



Spyridon Potamianos

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COMPUTER ENGINEER PhD

Professional background on both research and production related jobs, with specialization on the areas of databases and telecommunications. Possessing advanced skills on software design and development, experience in large software projects, network and system administration and troubleshooting. Research, application and teaching experiences acquired in the United States and Greece as software engineer in software development related to query optimization and interoperability of conventional and spatial data bases, in research and technological development of the Greek Navy, in design and support of the main computer center of the National Technical University of Athens, in telecommunications database design and software development in national scale, in research and software development on multi-modal user interfaces. Serving as Advisor of the General Secretary for Telecommunications, Ministry of Transport and Communications and representative of the Ministry on the national committee for the problem of the year 2000. Creative, efficient, with a passion to travel and get to know people and customs at far interesting places, having been to the tropical forests of Venezuela, to the deserts and ancient cities in Jordan, Egypt, Israel and the sea paradises of Maldives and Indonesia.

ADVANCED SKILLS AND KNOWLEDGE AREAS

- Database design and programming (Oracle, MySQL, Microsoft SQL)
- Software design & development
- Programming Languages: C, C++, Tcl/Tk, Fortran, VBasic, Lisp, Prolog, Pascal, various scripting languages (shell, awk, sed)
- Network design and administration
- System administration (Unix, Windows)
- Technical support and customer care
- Languages: Greek (mother language), English (fluent), French (fair)

EDUCATION

- PhD** PhD in Computer Science from the University of California, Berkeley. 1986-2001
Thesis: Semantics and Performance of Integrated DBMS Rule Systems
Research Advisor: Prof. Michael R. Stonebraker
Major Field: Database Systems
Coursework: GPA of 3.853 (on a scale of 4).
- BSc** BSc in Electrical Engineering, National Technical University Of Athens. 1980-1986
BSc Project: Design and Implementation of a Unification Grammar Interpreter

PERSONAL DATA

Date and Place of Birth: September 10, 1926, Athens, Greece
Marital status: Married, four children

PROFESSIONAL EXPERIENCE



Research Assistant, Computer Science Division, University of California, Berkeley, USA. Research and software development for the rule system of the POSTGRES database. 1986-1991

Teaching Assistant, Computer Science Division, University of California, Berkeley, USA. 1989



Software Engineer, Hewlett Packard Laboratories, Palo Alto, USA. Research and software development related to query optimization and interoperability of conventional and spatial data bases. 1992 - 1993



Military Service in Greek Navy. Worked on the Research and Technological Development Office of the Greek Navy (GETEN). 1993-995

Systems Engineer, SCGS Hellas S.A. Responsible for designing and support on system and network administration issues of complex installations (including the main computer center of the National Technical University of Athens). Technical support and customer care. 1995-1997



Software Engineer, Hellenic Telecommunications Organization (OTE). Database design and software development, network administration. 1997 - 1998



Advisor of General Secretary for Telecommunications, Ministry of Transport and Communications. Representative of the Ministry on the national committee for the problem of the year 2000. 1998 - 2000



Member of Technical Staff, Bell Labs/Hellas, Lucent Technologies Inc. Research and software development on multi-modal user interfaces. 2000 - 2001

Independent Consultant/Contractor. Consulting and software development on various areas, including databases and distributed computing. 2001 - present

PUBLICATIONS

M. Stonebraker, A. Jhingran, J. Goh, and S. Potamianos, "On Rules, Procedures, Caching and Views", Proceedings of the ACM SIGMOD International Conference on Management of Data, Atlantic City, New Jersey, pp 281-290, May 1990.

M. Stonebraker, M. Hearst, and S. Potamianos, "A Commentary on the POSTGRES Rules System", ACM Sigmod Record, Special Issue on Rule Management and Processing in Expert Database Systems, Vol. 18, No. 3, pp 5-11, September 1989.

M. Stonebraker, E. Hanson, and S. Potamianos, "The Postgres Rule Manager", IEEE Trans. Software Engineering, Vol. 14, No. 7, July 1988, pp 897-907.

Curtis P. Kolovson, Marie-Anne Neimat, Spyros Potamianos, "Interoperability of Spatial and Attribute Data Managers: A Case Study", Proceedings of the Third International Symposium on Large Spatial Databases (SSD) 93, Singapore, June 1993, Springer-Verlag Lecture Notes in Computer Science 692, Advances in Spatial Databases, David Abel, Beng Chin Ooi (Eds), pp 239-263

Waqar Hasan, Michael L. Heytens, Curtis P. Kolovson, Marie-Anne Neimat, Spyros Potamianos, Donovan A. Schneider, "Papyrus GIS Demonstration" Proceedings of the 1993 ACM SIGMOD International Conference on Management of Data, Washington, D.C., May 26-28, 1993. pp 554-555

Surajit Chaudhuri, Ravi Krishnamurthy, Spyros Potamianos, Kyuseok Shim, "Optimizing Queries with Materialized Views", Proceedings of the Eleventh International Conference on Data Engineering, March 6-10, 1995, Taipei, Taiwan. IEEE Computer Society, ISBN 0-8186-6910-1, pp 190-200

Spyros Potamianos, Michael Stonebraker "The POSTGRES Rules System", *Active Database Systems, Triggers and Rules for Advanced database Processing*, edited by J. Widom and S. Ceri, Morgan Kaufman Publishers Inc., ISBN 1-55860-302-2, pp 43-61