



## Yannis Ioannidis

**Title:** Professor

**Sector:** Computer Systems and Applications

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### Academic Qualifications:

- PhD Computer Science (1986), Univ. of California, Berkeley
- MSc Applied Mathematics (1983), Harvard University, USA
- Diploma Electrical Eng (1982), Nat. Tech. Univ. of Athens

### Appointments:

- May 1997 – today: Associate/Full Professor (since July 2001), Dept. of Informatics & Telecom, Univ. of Athens
- March 2011 – today: President & General Director, “Athena” Research & Innovation Center (Adj. Researcher, Institute for the Mgmt of Information Systems, since Jan 2009)
- Oct. 1986 – Sep. 1999: Assistant/Associate/Full Professor, Computer Sciences Dept., Univ. of Wisconsin – Madison

### Teaching Activities: (current)

- *Undergraduate:* Implementation of Database Mgmt Systems / Design and Use of Database Management Systems / Software Development / Human-Computer Interaction
- *Graduate:* Topics on Database Mgmt Systems / Topics on Database Apps / Elements of Style in Technical Discourse

### Research Interests/Activities: (last 10 years)

#### Research Interests

- *Database & Information Systems* (Query Optimization, Search & Query Processing, Cloud Computing) \* *Personalization & Social Networks* (User Modeling, User Profiling, Adaptivity) \* *Electronic Infrastructures* (Digital Libraries, Data Repositories, Info Integration & Access, Grid-Services) \* *Scientific Systems* (Scientific Experiment Management, Scientific Databases, Workflow Management) \* *Applications* (Cultural Heritage, eHealth) \* *Human-Computer Interaction* (DB User Interfaces, Complex Data Visualization).

#### Graduate student supervision

- 11 Ph.D. Theses + 5 ongoing \* 26 M.Sc. Theses + 6 ongoing

#### Research Activities

- Leader, Mgmt of Data, Information, and Knowledge Group (MaDgIK) at University of Athens

### Scientific Publications/Citations:

- 32 in fully refereed journals (JACM 1, ACM TODS 5, VLDBJ 5, ...), 6 of them invited, 15 in other journals
- 62 in fully refereed conferences (ACM SIGMOD 14, VLDB 18, IEEE ICDE 8, ACM PODS 2, ...)
- 4 book chapters \* 3 US patents
- 14 keynote or invited speeches (eScience'11, PDP'11, OD-BASE'10, NLDB'08, ICDE'07, ADBIS'06, CIKM'05, ...)
- 6800 citations, with h-index 42 [Google Scholar]

### Top five publications

- G. Koutrika, Y. Ioannidis, “Personalizing Queries based on Networks of Composite Preferences”, ACM Trans. on Database Systems (TODS), Vol. 35, No. 2, April 2010
- F. Pentaris, Y. Ioannidis, “Query Optimization in Distributed Networks of Autonomous Database Systems, ACM TODS, Vol. 31, No. 2, June 2006.
- V. Poosala, Y. Ioannidis, P. Haas, E. Shekita, "Improved Histograms for Selectivity Estimation of Range Predicates", Proc. 1996 Int'l ACM SIGMOD Conf., Montreal, Canada, May 1996.
- Y. Ioannidis, "Universality of Serial Histograms", Proc. 19th Int'l VLDB Conf., Dublin, Ireland, Aug. 1993.
- Y. Ioannidis, Y. Kang, "Randomized Algorithms for Optimizing Large Join Queries", Proc. 1990 Int'l ACM SIGMOD Conf., Atlantic City, NJ, May 1990

### Distinctions:

- IEEE Fellow (since 2010) – ACM Fellow (since 2004)
- "Xanthopoulos-Pneumatikos" Award for "Outstanding Academic Teaching", FORTH, 2006
- "10-Year Best Paper Award", 29th Int'l Conf. on Very Large Databases (VLDB), 2003
- "Chancellor's Distinguished Teaching" Award, University of Wisconsin, Madison, 1996
- Several teaching awards by the students or the faculty of the CS Dept., Univ. of Wisconsin, Madison, 1987-1997
- "Presidential Young Investigator" Award (PYI), National Science Foundation, 1991

### Other Activities:

- Coordinator/partner/PI in fifty research projects funded by government agencies (USA, Europe, Greece) or industry
- Associate Editor of Info Systems and J. of Digital Libraries
- Program committee member of sixty conferences, seven times as chair (ECSS'11, ICDE'09, ADBIS'07, EDBT'06, ...)
- Co-founder and steering-committee member of Hellenic Data Management Symposium (HDMS), 2002-today
- ACM SIGMOD Chair (July 2009-June 2013), ACM SIGMOD Vice-Chair (July 2005-June 2009)
- Member of executive bodies of professional organizations (VLDB Endowment, IEEE TCDE Exec Committee, ...) and Scientific Advisory Boards (Max Planck Institute for Informatics (MPII), Centre Virtuel de la Connaissance sur l' Europe (CVCE), Greek National Science & Tech Council, Technology advisor to the Greek Minister of Health, ...)